

TABLE 3

SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
101	1110	1283	265	125
102	1111	1287	107	385
103	1112	1297	333	545
104	1113	13	187	47
105	1114	130	126	290
106	1115	1306	323	75
107	1116	1308	457	891
108	1117	1311	258	674
109	1118	1315	242	823
110	1119	1317	82	435
111	1120	1319	781	3306
112	1121	1323	1402	1671
113	1122	1329	279	665
114	1123	1336	37	765
115	1124	1337	177	389
116	1125	1338	887	744
117	1126	1339	248	724
118	1127	1341	298	525
119	1128	1342	26	445
120	1129	1344	23	370
121	1130	1345	160	402
122	1131	1351	2737	2600
123	1132	1353	655	792
124	1133	1354	94	354
125	1134	1356	679	849
126	1135	1358	679	849
127	1136	1359	32	346
128	1137	1361	271	426
129	1138	1362	637	1197
130	1139	1363	24	350
131	1140	1364	119	367
132	1141	1368	111	284
133	1142	1377	1221	1358
134	1143	1378	643	470
135	1144	138	99	539
136	1145	1382	994	686
137	1146	1384	34	264
138	1147	1386	124	477
139	1148	1389	1197	1
140	1149	139	94	294
141	1150	1390	1262	1053
142	1151	1393	1182	1325
143	1152	1394	1351	1542
144	1153	1395	229	411
145	1154	1396	923	1147
146	1155	1397	49	252
147	1156	1398	684	863
148	1157	1399	2613	286
149	1158	14	997	758
150	1159	1403	396	1

TABLE 3

SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
151	1160	1406	735	1235
152	1161	1407	967	716
153	1162	1408	75	314
154	1163	1409	101	313
155	1164	141	384	551
156	1165	1414	242	532
157	1166	142	158	15
158	1167	1421	604	1425
159	1168	1422	1146	1835
160	1169	1423	2657	3295
161	1170	1424	315	163
162	1171	1426	39	509
163	1172	1427	892	686
164	1173	1428	395	619
165	1174	1430	284	514
166	1175	1432	178	2
167	1176	1433	1136	972
168	1177	1435	1283	1540
169	1178	1436	1669	2235
170	1179	144	55	219
171	1180	1440	363	121
172	1181	1441	1991	2197
173	1182	1443	1765	3054
174	1183	1445	1023	865
175	1184	1446	5692	5859
176	1185	1447	2959	2078
177	1186	1448	775	945
178	1187	1451	858	1430
179	1188	1453	1370	723
180	1189	1455	480	1007
181	1190	1457	278	451
182	1191	1459	824	561
183	1192	1460	56	463
184	1193	1461	184	480
185	1194	1462	486	635
186	1195	1465	319	492
187	1196	1466	398	3
188	1197	1468	262	453
189	1198	1476	526	684
190	1199	148	271	420
191	1200	1482	568	714
192	1201	1484	203	340
193	1202	1486	2185	1190
194	1203	1492	438	2912
195	1204	1493	82	225
196	1205	1501	210	347
197	1206	1508	1364	1101
198	1207	1509	56	613
199	1208	1512	828	965
200	1209	1515	3216	3812

TABLE 3

SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
201	1210	1516	614	790
202	1211	1522	1709	1029
203	1212	1524	614	799
204	1213	1526	3917	4081
205	1214	1529	221	2146
206	1215	1530	644	390
207	1216	1532	16	1224
208	1217	1535	885	1031
209	1218	1536	245	1156
210	1219	1538	1617	4994
211	1220	154	97	234
212	1221	1540	4325	4158
213	1222	1541	2020	2778
214	1223	1544	595	3168
215	1224	1545	328	534
216	1225	1548	47	211
217	1226	1550	49	201
218	1227	1552	418	558
219	1228	1555	509	330
220	1229	1557	699	854
221	1230	1561	847	1932
222	1231	1563	775	933
223	1232	1565	286	453
224	1233	1567	807	974
225	1234	1568	1227	1601
226	1235	1569	113	328
227	1236	157	145	2
228	1237	1570	222	845
229	1238	1572	167	685
230	1239	1574	97	1167
231	1240	1575	581	2701
232	1241	1577	1246	953
233	1242	1578	1440	175
234	1243	1579	4738	4601
235	1244	1580	1431	1568
236	1245	1581	2491	3222
237	1246	1584	463	2157
238	1247	1585	156	2366
239	1248	1586	167	691
240	1249	1587	102	305
241	1250	1589	1157	1783
242	1251	159	812	639
243	1252	1592	270	521
244	1253	1593	92	310
245	1254	1594	814	188
246	1255	1595	101	2290
247	1256	1597	119	910
248	1257	1598	178	1398
249	1258	1600	2937	2578
250	1259	1604	47	526

TABLE 3

SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
251	1260	1606	2204	1872
252	1261	1608	235	603
253	1262	1609	156	2366
254	1263	1611	1992	2135
255	1264	1614	968	786
256	1265	1615	2578	2751
257	1266	1616	6256	5813
258	1267	1617	29	709
259	1268	1619	1123	4071
260	1269	1621	581	2704
261	1270	1626	43	321
262	1271	1629	3616	1673
263	1272	163	509	183
264	1273	1630	81	248
265	1274	1631	9	572
266	1275	1633	2565	2807
267	1276	1634	2373	2510
268	1277	1635	3216	4508
269	1278	1636	4239	4081
270	1279	1642	4238	4020
271	1280	1643	152	304
272	1281	1644	47	478
273	1282	1645	121	921
274	1283	1646	3815	3030
275	1284	1647	335	186
276	1285	1649	6	974
277	1286	1654	34	951
278	1287	1655	491	1387
279	1288	1656	78	560
280	1289	1657	1431	1568
281	1290	1658	2373	1015
282	1291	1670	236	3
283	1292	1673	95	1342
284	1293	1685	2124	1786
285	1294	1690	245	415
286	1295	1691	977	774
287	1296	1699	50	247
288	1297	17	282	112
289	1298	1710	943	239
290	1299	1711	127	318
291	1300	1718	99	338
292	1301	1719	122	382
293	1302	172	33	461
294	1303	1720	180	1
295	1304	1722	160	327
296	1305	1726	175	363
297	1306	1737	84	497
298	1307	1738	188	379
299	1308	174	138	332
300	1309	1743	560	784

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SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
301	1310	1747	1824	1961
302	1311	1748	97	411
303	1312	1749	151	492
304	1313	177	59	322
305	1314	1776	68	262
306	1315	1779	43	255
307	1316	178	58	399
308	1317	1781	1179	907
309	1318	1786	579	385
310	1319	1789	56	193
311	1320	180	218	78
312	1321	1800	230	394
313	1322	1801	1778	876
314	1323	181	174	428
315	1324	1829	179	42
316	1325	1846	525	785
317	1326	1848	5632	5838
318	1327	185	92	400
319	1328	1850	178	333
320	1329	186	699	1310
321	1330	1860	8	604
322	1331	1868	376	618
323	1332	187	148	366
324	1333	1870	233	388
325	1334	1872	12	206
326	1335	188	181	516
327	1336	1884	549	863
328	1337	1886	128	298
329	1338	189	28	204
330	1339	1891	11246	11097
331	1340	1895	175	417
332	1341	1897	221	400
333	1342	1899	744	890
334	1343	191	77	286
335	1344	1914	403	699
336	1345	192	8	343
337	1346	1947	656	1735
338	1347	1948	32	283
339	1348	195	129	323
340	1349	196	122	295
341	1350	1962	554	733
342	1351	197	110	277
343	1352	1976	348	2450
344	1353	198	93	239
345	1354	1980	137	310
346	1355	2	916	13698
347	1356	20	112	303
348	1357	2005	88	420
349	1358	2007	525	385
350	1359	2008	266	484

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SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
351	1360	2013	64	234
352	1361	2016	99	329
353	1362	2018	84	401
354	1363	202	300	130
355	1364	2022	1240	1016
356	1365	2029	191	364
357	1366	2037	231	404
358	1367	2043	3206	3349
359	1368	2047	169	456
360	1369	2048	295	522
361	1370	2049	533	769
362	1371	205	4	684
363	1372	2051	403	699
364	1373	2055	173	379
365	1374	2056	270	1157
366	1375	2061	949	725
367	1376	2064	127	309
368	1377	2065	248	577
369	1378	2070	204	344
370	1379	2071	374	793
371	1380	2074	945	796
372	1381	2076	300	67
373	1382	2078	416	586
374	1383	2081	316	507
375	1384	2082	20	220
376	1385	209	19	168
377	1386	210	27	395
378	1387	2102	258	452
379	1388	2104	1706	1539
380	1389	211	84	311
381	1390	212	677	231
382	1391	2120	40	414
383	1392	214	101	268
384	1393	2140	213	377
385	1394	2161	216	368
386	1395	2162	106	420
387	1396	2164	104	250
388	1397	217	333	22
389	1398	218	80	325
390	1399	219	709	506
391	1400	2196	158	319
392	1401	2198	469	1164
393	1402	22	843	700
394	1403	2214	980	822
395	1404	2215	49	318
396	1405	2225	544	1974
397	1406	223	185	21
398	1407	2233	116	313
399	1408	224	189	16
400	1409	2240	2740	2525

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SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
401	1410	2244	1489	1647
402	1411	2254	72	317
403	1412	226	335	120
404	1413	2260	562	738
405	1414	2268	300	67
406	1415	227	103	615
407	1416	2273	114	344
408	1417	2275	239	985
409	1418	2276	1358	1164
410	1419	2288	56	1459
411	1420	2291	83	532
412	1421	2296	264	530
413	1422	2298	533	781
414	1423	2300	1684	1845
415	1424	2305	8	226
416	1425	231	86	820
417	1426	232	361	1920
418	1427	233	150	467
419	1428	2331	334	2856
420	1429	2334	168	953
421	1430	2341	198	395
422	1431	2344	122	1432
423	1432	2346	1345	1187
424	1433	2348	502	729
425	1434	235	338	844
426	1435	2351	228	713
427	1436	236	232	2
428	1437	2360	1611	1357
429	1438	2362	36	263
430	1439	2364	294	1568
431	1440	2365	103	312
432	1441	2378	209	5281
433	1442	238	53	511
434	1443	2380	207	380
435	1444	239	457	663
436	1445	2392	176	2653
437	1446	2399	940	2040
438	1447	2405	144	380
439	1448	2407	1875	2702
440	1449	2415	1927	137
441	1450	242	1813	986
442	1451	2421	43	405
443	1452	2423	1556	1413
444	1453	2424	673	1041
445	1454	2432	295	1275
446	1455	2438	607	437
447	1456	2444	294	437
448	1457	2447	212	1588
449	1458	2448	52	1440
450	1459	2449	637	1197

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SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
451	1460	245	208	876
452	1461	2450	3740	4369
453	1462	2453	222	389
454	1463	246	566	763
455	1464	2466	179	778
456	1465	2471	532	669
457	1466	2473	817	650
458	1467	2474	236	1333
459	1468	2476	173	3
460	1469	248	331	2
461	1470	2486	709	885
462	1471	249	88	456
463	1472	2496	107	1054
464	1473	2498	413	607
465	1474	2501	103	267
466	1475	2503	334	717
467	1476	2506	3740	4369
468	1477	2509	188	18
469	1478	2512	78	368
470	1479	2514	16	354
471	1480	2523	53	325
472	1481	2526	223	384
473	1482	2532	596	763
474	1483	2533	62	667
475	1484	2535	89	1519
476	1485	2537	175	375
477	1486	254	299	21
478	1487	2540	553	816
479	1488	2546	1905	1102
480	1489	2555	2046	4541
481	1490	2559	569	733
482	1491	256	9	410
483	1492	2560	288	76
484	1493	2565	3269	3502
485	1494	2569	116	478
486	1495	257	203	475
487	1496	2571	2763	2548
488	1497	2572	65	652
489	1498	2575	70	294
490	1499	2576	1195	1010
491	1500	258	434	21
492	1501	2580	155	400
493	1502	2591	53	214
494	1503	2592	163	348
495	1504	26	261	398
496	1505	2605	277	420
497	1506	261	29	598
498	1507	2614	1331	1510
499	1508	2617	235	378
500	1509	262	204	458

TABLE 3

SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
501	1510	2624	254	418
502	1511	263	247	570
503	1512	264	184	540
504	1513	2643	1108	4026
505	1514	2644	305	535
506	1515	2645	1952	1509
507	1516	2647	1225	404
508	1517	2648	41	778
509	1518	265	53	418
510	1519	2650	190	936
511	1520	2658	1576	2451
512	1521	2659	44	430
513	1522	266	350	153
514	1523	2663	785	1177
515	1524	2665	395	550
516	1525	2666	41	778
517	1526	2667	244	384
518	1527	2668	174	527
519	1528	2669	27	302
520	1529	2678	1172	960
521	1530	2684	178	432
522	1531	269	341	520
523	1532	2699	1241	1083
524	1533	2701	402	2624
525	1534	2702	28	177
526	1535	2706	1108	4026
527	1536	2707	1240	1016
528	1537	271	59	346
529	1538	2714	34	987
530	1539	2715	1117	647
531	1540	2717	25	429
532	1541	2718	1670	1885
533	1542	2719	31	1137
534	1543	272	6	152
535	1544	2726	230	592
536	1545	2728	578	369
537	1546	2731	193	366
538	1547	2735	495	301
539	1548	274	352	119
540	1549	2741	94	255
541	1550	2798	1031	1240
542	1551	28	54	725
543	1552	2803	204	374
544	1553	2809	216	938
545	1554	2822	280	447
546	1555	2823	197	388
547	1556	2824	224	12
548	1557	2826	79	456
549	1558	2828	24	428
550	1559	2838	90	698

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SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
551	1560	284	21	197
552	1561	2847	113	262
553	1562	285	146	292
554	1563	2852	233	439
555	1564	2854	830	988
556	1565	2855	336	1043
557	1566	2856	384	614
558	1567	2857	437	748
559	1568	2859	1295	1158
560	1569	286	30	179
561	1570	2860	2618	2469
562	1571	2864	1325	1176
563	1572	2867	1034	795
564	1573	288	190	345
565	1574	2884	856	257
566	1575	2886	15	167
567	1576	2891	34	405
568	1577	2900	104	2683
569	1578	2901	193	366
570	1579	2902	91	1806
571	1580	2907	268	498
572	1581	2908	83	1564
573	1582	2910	2131	3117
574	1583	2915	715	861
575	1584	2916	52	2064
576	1585	2919	62	1015
577	1586	292	615	854
578	1587	2923	332	1279
579	1588	2924	264	422
580	1589	2925	122	1432
581	1590	2930	195	341
582	1591	2931	221	3
583	1592	2934	1642	1827
584	1593	2937	38	421
585	1594	2940	520	383
586	1595	2944	325	68
587	1596	295	49	255
588	1597	2950	226	59
589	1598	2951	110	400
590	1599	2955	303	641
591	1600	2957	365	673
592	1601	2964	96	347
593	1602	2967	738	466
594	1603	2968	222	428
595	1604	2969	365	117
596	1605	2970	314	643
597	1606	2973	961	1176
598	1607	2975	975	799
599	1608	2979	89	442
600	1609	298	152	3

TABLE 3

SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
601	1610	2991	112	261
602	1611	2995	201	368
603	1612	3	13559	13335
604	1613	30	176	751
605	1614	3002	1807	2265
606	1615	3005	339	743
607	1616	3023	64	243
608	1617	3039	71	217
609	1618	304	50	334
610	1619	305	226	387
611	1620	3051	56	268
612	1621	307	9	278
613	1622	308	116	274
614	1623	3085	97	3030
615	1624	3088	801	634
616	1625	3089	18	455
617	1626	3094	92	1246
618	1627	3098	40	342
619	1628	310	142	354
620	1629	3101	48	383
621	1630	3105	188	328
622	1631	3107	177	413
623	1632	3109	184	327
624	1633	3114	70	243
625	1634	3115	295	459
626	1635	3116	115	348
627	1636	3119	70	222
628	1637	3120	163	531
629	1638	3122	60	266
630	1639	3129	226	501
631	1640	3146	190	363
632	1641	3151	212	1588
633	1642	3153	86	517
634	1643	3165	244	453
635	1644	317	97	342
636	1645	3179	106	873
637	1646	3181	108	896
638	1647	3182	554	775
639	1648	3192	268	441
640	1649	3194	923	1192
641	1650	3195	38	376
642	1651	32	185	334
643	1652	3200	199	561
644	1653	3201	516	848
645	1654	3202	232	681
646	1655	3208	836	633
647	1656	3210	202	384
648	1657	3214	349	588
649	1658	3215	859	380
650	1659	3216	51	320

TABLE 3

SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
651	1660	3220	116	283
652	1661	3222	324	545
653	1662	3227	385	1197
654	1663	323	65	223
655	1664	3240	385	1197
656	1665	3243	65	916
657	1666	3250	263	463
658	1667	3252	244	480
659	1668	3253	136	297
660	1669	3254	83	439
661	1670	3255	573	920
662	1671	3257	548	757
663	1672	3259	34	822
664	1673	326	58	525
665	1674	3263	102	350
666	1675	3270	313	152
667	1676	3271	117	473
668	1677	3272	44	190
669	1678	3273	106	486
670	1679	3274	246	392
671	1680	3278	174	1
672	1681	3281	988	1134
673	1682	3282	101	334
674	1683	3291	129	284
675	1684	3294	101	595
676	1685	3296	107	565
677	1686	3298	130	552
678	1687	3299	333	515
679	1688	3300	324	121
680	1689	3303	378	157
681	1690	3306	296	637
682	1691	3307	1454	1660
683	1692	3309	163	471
684	1693	3311	335	478
685	1694	3312	5	280
686	1695	3313	298	546
687	1696	3314	50	526
688	1697	3315	99	413
689	1698	3322	101	685
690	1699	3323	66	356
691	1700	3324	76	462
692	1701	3328	248	904
693	1702	3335	136	393
694	1703	3336	47	733
695	1704	3338	181	786
696	1705	3339	58	231
697	1706	3342	226	390
698	1707	3349	72	488
699	1708	3356	208	384
700	1709	3358	194	436

TABLE 3

SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
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702	1711	3366	55	816
703	1712	3367	364	735
704	1713	3370	237	878
705	1714	3371	188	721
706	1715	3372	14	241
707	1716	3373	42	290
708	1717	3387	32	202
709	1718	3389	29	256
710	1719	3390	181	393
711	1720	3396	520	822
712	1721	3410	10	153
713	1722	3412	82	291
714	1723	3414	453	292
715	1724	3421	158	337
716	1725	3427	430	618
717	1726	3430	210	380
718	1727	3431	295	432
719	1728	3440	419	556
720	1729	3444	402	256
721	1730	3445	281	430
722	1731	346	42	722
723	1732	347	384	689
724	1733	3470	114	530
725	1734	3478	38	217
726	1735	3479	161	379
727	1736	348	37	231
728	1737	3482	156	296
729	1738	35	255	575
730	1739	3503	185	454
731	1740	3505	252	422
732	1741	3529	37	183
733	1742	353	262	522
734	1743	3537	127	273
735	1744	3539	98	268
736	1745	3542	25	312
737	1746	3543	70	228
738	1747	3544	31	177
739	1748	3548	972	385
740	1749	3553	27	164
741	1750	3560	113	358
742	1751	3563	483	764
743	1752	3564	6	434
744	1753	3566	316	507
745	1754	3570	6	377
746	1755	3574	108	440
747	1756	3576	569	348
748	1757	3579	293	442
749	1758	3582	20	388
750	1759	3583	172	396

TABLE 3

SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
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752	1761	3596	91	459
753	1762	3599	40	474
754	1763	3606	335	1105
755	1764	3609	169	666
756	1765	3617	141	410
757	1766	3620	218	388
758	1767	3630	189	1
759	1768	3642	122	643
760	1769	3644	431	664
761	1770	3647	274	720
762	1771	3651	245	472
763	1772	3652	259	642
764	1773	3653	153	1994
765	1774	3654	87	554
766	1775	3657	57	2744
767	1776	3658	387	920
768	1777	366	402	578
769	1778	3660	120	530
770	1779	3661	480	674
771	1780	3663	1096	938
772	1781	3669	689	1015
773	1782	3677	469	642
774	1783	3678	1194	889
775	1784	3685	406	1134
776	1785	3689	233	706
777	1786	3693	21	446
778	1787	3699	55	414
779	1788	370	59	262
780	1789	3707	38	436
781	1790	3711	229	474
782	1791	3713	314	463
783	1792	3717	178	675
784	1793	3720	258	695
785	1794	3721	96	548
786	1795	3722	32	562
787	1796	3724	220	513
788	1797	3726	180	467
789	1798	3729	251	523
790	1799	373	110	340
791	1800	3735	91	636
792	1801	3736	275	880
793	1802	3738	106	621
794	1803	3762	702	1175
795	1804	3768	293	598
796	1805	377	96	257
797	1806	3772	169	2
798	1807	3786	108	248
799	1808	3787	282	638
800	1809	3789	139	411

TABLE 3

SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
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802	1811	38	146	3
803	1812	382	24	275
804	1813	385	138	1
805	1814	388	268	74
806	1815	39	302	3
807	1816	391	24	368
808	1817	395	51	482
809	1818	397	422	766
810	1819	399	102	311
811	1820	4	11219	13123
812	1821	405	253	2
813	1822	406	342	665
814	1823	411	321	542
815	1824	416	736	909
816	1825	422	1541	867
817	1826	43	330	686
818	1827	434	207	34
819	1828	435	140	445
820	1829	437	160	423
821	1830	439	347	706
822	1831	44	91	282
823	1832	450	136	402
824	1833	458	169	348
825	1834	459	99	284
826	1835	462	70	282
827	1836	465	462	791
828	1837	467	76	348
829	1838	470	35	637
830	1839	475	37	426
831	1840	477	242	382
832	1841	478	66	311
833	1842	485	196	426
834	1843	488	117	443
835	1844	490	231	485
836	1845	493	281	610
837	1846	496	90	371
838	1847	5	34	3933
839	1848	501	60	368
840	1849	502	707	856
841	1850	504	208	459
842	1851	505	165	317
843	1852	509	62	223
844	1853	511	46	432
845	1854	515	13	582
846	1855	516	92	325
847	1856	518	83	283
848	1857	519	365	685
849	1858	521	12	413
850	1859	525	6	251

TABLE 3

SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
851	1860	526	862	725
852	1861	532	207	590
853	1862	536	226	53
854	1863	537	49	198
855	1864	540	270	1
856	1865	541	38	412
857	1866	546	388	2
858	1867	555	199	438
859	1868	556	144	482
860	1869	559	380	165
861	1870	563	27	617
862	1871	566	158	382
863	1872	568	69	320
864	1873	57	6	158
865	1874	571	8	1516
866	1875	572	32	505
867	1876	573	139	456
868	1877	574	49	771
869	1878	576	519	370
870	1879	578	168	1
871	1880	580	159	641
872	1881	581	108	497
873	1882	582	80	403
874	1883	587	172	435
875	1884	589	27	374
876	1885	590	84	428
877	1886	595	68	1138
878	1887	598	1023	766
879	1888	61	65	208
880	1889	612	310	546
881	1890	614	166	918
882	1891	617	252	602
883	1892	62	969	661
884	1893	620	188	418
885	1894	622	877	1014
886	1895	629	202	687
887	1896	63	98	277
888	1897	632	221	367
889	1898	64	536	381
890	1899	640	338	3
891	1900	641	12	395
892	1901	642	194	397
893	1902	644	15	395
894	1903	646	132	380
895	1904	647	3	389
896	1905	650	135	413
897	1906	651	231	428
898	1907	653	128	442
899	1908	654	214	77
900	1909	656	49	465

TABLE 3

SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
901	1910	657	86	397
902	1911	66	267	614
903	1912	662	387	701
904	1913	666	76	498
905	1914	667	517	2184
906	1915	668	1423	788
907	1916	67	107	622
908	1917	678	172	387
909	1918	68	78	341
910	1919	680	832	671
911	1920	683	505	164
912	1921	687	105	521
913	1922	690	139	294
914	1923	691	244	456
915	1924	699	194	754
916	1925	701	371	520
917	1926	702	1888	2028
918	1927	704	1254	808
919	1928	705	126	1463
920	1929	706	31	390
921	1930	707	367	2
922	1931	709	1152	934
923	1932	715	744	541
924	1933	716	1360	1220
925	1934	722	173	430
926	1935	725	498	271
927	1936	727	18	164
928	1937	729	230	3
929	1938	73	262	834
930	1939	731	491	246
931	1940	740	20	322
932	1941	741	1430	1167
933	1942	747	660	523
934	1943	749	263	727
935	1944	750	209	391
936	1945	751	753	517
937	1946	755	172	387
938	1947	756	209	376
939	1948	76	656	513
940	1949	760	131	538
941	1950	763	893	1126
942	1951	766	1271	1537
943	1952	771	458	318
944	1953	775	391	558
945	1954	781	410	1684
946	1955	791	967	1284
947	1956	793	554	970
948	1957	795	8	268
949	1958	796	342	199
950	1959	798	211	405

TABLE 3

SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
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952	1961	8	1523	1293
953	1962	801	484	678
954	1963	802	331	489
955	1964	808	210	905
956	1965	812	162	920
957	1966	819	723	2669
958	1967	820	964	725
959	1968	825	182	328
960	1969	829	1843	2292
961	1970	830	58	201
962	1971	832	150	341
963	1972	835	130	762
964	1973	836	449	291
965	1974	838	175	324
966	1975	84	175	435
967	1976	842	73	393
968	1977	844	423	824
969	1978	845	214	32
970	1979	846	120	317
971	1980	847	212	364
972	1981	85	190	426
973	1982	852	74	541
974	1983	855	1653	1465
975	1984	857	1964	2659
976	1985	858	598	1020
977	1986	861	58	933
978	1987	876	222	779
979	1988	878	2021	2161
980	1989	879	189	362
981	1990	88	39	278
982	1991	886	1165	1022
983	1992	891	158	310
984	1993	892	759	995
985	1994	895	224	379
986	1995	897	131	622
987	1996	9	1678	1448
988	1997	901	55	753
989	1998	906	450	623
990	1999	913	40	237
991	2000	918	17	334
992	2001	92	385	122
993	2002	926	772	518
994	2003	929	146	283
995	2004	932	23	175
996	2005	934	38	235
997	2006	935	286	423
998	2007	936	24	284
999	2008	939	450	623
1000	2009	94	139	2

TABLE 3

SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
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1002	2011	947	174	356
1003	2012	957	80	400
1004	2013	96	187	387
1005	2014	964	1352	1528
1006	2015	97	166	2
1007	2016	98	535	344
1008	2017	995	559	386
1009	2018	997	34	231

WHAT IS CLAIMED IS:

1. An isolated polynucleotide comprising a nucleotide sequence selected from the group consisting of SEQ ID NO: 1-1009, a mature protein coding portion of SEQ ID NO: 1-1009, an active domain of SEQ ID NO: 1-1009, and complementary sequences thereof.
2. An isolated polynucleotide encoding a polypeptide with biological activity, wherein said polynucleotide hybridizes to the polynucleotide of claim 1 under stringent hybridization conditions.
3. An isolated polynucleotide encoding a polypeptide with biological activity, wherein said polynucleotide has greater than about 90% sequence identity with the polynucleotide of claim 1.
4. The polynucleotide of claim 1 wherein said polynucleotide is DNA.
5. An isolated polynucleotide of claim 1 wherein said polynucleotide comprises the complementary sequences.
6. A vector comprising the polynucleotide of claim 1.
7. An expression vector comprising the polynucleotide of claim 1.
8. A host cell genetically engineered to comprise the polynucleotide of claim 1.
9. A host cell genetically engineered to comprise the polynucleotide of claim 1 operatively associated with a regulatory sequence that modulates expression of the polynucleotide in the host cell.
10. An isolated polypeptide, wherein the polypeptide is selected from the group consisting of:
 - (a) a polypeptide encoded by any one of the polynucleotides of claim 1; and

- (b) a polypeptide encoded by a polynucleotide hybridizing under stringent conditions with any one of SEQ ID NO:1-1009.
11. A composition comprising the polypeptide of claim 10 and a carrier.
12. An antibody directed against the polypeptide of claim 10.
13. A method for detecting the polynucleotide of claim 1 in a sample, comprising:
- a) contacting the sample with a compound that binds to and forms a complex with the polynucleotide of claim 1 for a period sufficient to form the complex; and
 - b) detecting the complex, so that if a complex is detected, the polynucleotide of claim 1 is detected.
14. A method for detecting the polynucleotide of claim 1 in a sample, comprising:
- a) contacting the sample under stringent hybridization conditions with nucleic acid primers that anneal to the polynucleotide of claim 1 under such conditions;
 - b) amplifying a product comprising at least a portion of the polynucleotide of claim 1; and
 - c) detecting said product and thereby the polynucleotide of claim 1 in the sample.
15. The method of claim 14, wherein the polynucleotide is an RNA molecule and the method further comprises reverse transcribing an annealed RNA molecule into a cDNA polynucleotide.
16. A method for detecting the polypeptide of claim 10 in a sample, comprising:
- a) contacting the sample with a compound that binds to and forms a complex with the polypeptide under conditions and for a period sufficient to form the complex; and

b) detecting formation of the complex, so that if a complex formation is detected, the polypeptide of claim 10 is detected.

17. A method for identifying a compound that binds to the polypeptide of claim 10, comprising:

- a) contacting the compound with the polypeptide of claim 10 under conditions sufficient to form a polypeptide/compound complex; and
- b) detecting the complex, so that if the polypeptide/compound complex is detected, a compound that binds to the polypeptide of claim 10 is identified.

18. A method for identifying a compound that binds to the polypeptide of claim 10, comprising:

- a) contacting the compound with the polypeptide of claim 10, in a cell, under conditions sufficient to form a polypeptide/compound complex, wherein the complex drives expression of a reporter gene sequence in the cell; and
- b) detecting the complex by detecting reporter gene sequence expression, so that if the polypeptide/compound complex is detected, a compound that binds to the polypeptide of claim 10 is identified.

19. A method of producing the polypeptide of claim 10, comprising,

- a) culturing a host cell comprising a polynucleotide sequence selected from the group consisting of a polynucleotide sequence of SEQ ID NO: 1-1009, a mature protein coding portion of SEQ ID NO: 1-1009, an active domain of SEQ ID NO: 1-1009, complementary sequences thereof and a polynucleotide sequence hybridizing under stringent conditions to SEQ ID NO: 1-1009, under conditions sufficient to express the polypeptide in said cell; and
- b) isolating the polypeptide from the cell culture or cells of step (a).

20. An isolated polypeptide comprising an amino acid sequence selected from the group consisting of SEQ ID NO: 1010-2018, the mature protein portion thereof, or the active domain thereof.

21. The polypeptide of claim 20 wherein the polypeptide is provided on a polypeptide array.
22. A collection of polynucleotides, wherein the collection comprises the sequence information of at least one of SEQ ID NO: 1-1009.
23. The collection of claim 22, wherein the collection is provided on a nucleic acid array.
24. The collection of claim 23, wherein the array detects full-matches to any one of the polynucleotides in the collection.
25. The collection of claim 23, wherein the array detects mismatches to any one of the polynucleotides in the collection.
26. The collection of claim 22, wherein the collection is provided in a computer-readable format.
27. A method of treatment comprising administering to a mammalian subject in need thereof a therapeutic amount of a composition comprising a polypeptide of claim 10 or 20 and a pharmaceutically acceptable carrier.
28. A method of treatment comprising administering to a mammalian subject in need thereof a therapeutic amount of a composition comprising an antibody that specifically binds to a polypeptide of claim 10 or 20 and a pharmaceutically acceptable carrier.

SEQUENCE LISTING

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Tang et al.

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<212> DNA
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 <212> DNA
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 <211> 795
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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 <212> DNA
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<211> 739

<212> DNA

<213> Homo sapiens

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<211> 1488

<212> DNA

<213> Homo sapiens

<400> 19

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<211> 3134

<212> DNA

<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<400> 21

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<210> 22

<211> 502

<212> DNA

<213> Homo sapiens

<400> 22

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<210> 23

<211> 7830

<212> DNA

<213> Homo sapiens

<400> 23

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<212> DNA

<213> Homo sapiens

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<400> 38

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<210> 39

<211> 2672

<212> DNA

<213> Homo sapiens

<400> 39

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 <211> 717
 <212> DNA
 <213> Homo sapiens

<400> 40						
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 <211> 1424
 <212> DNA
 <213> Homo sapiens

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<210> 42
 <211> 766
 <212> DNA
 <213> Homo sapiens

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 <222> (1)...(766)
 <223> n = a,t,c or g

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 <211> 849
 <212> DNA
 <213> Homo sapiens

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<210> 44
<211> 1476
<212> DNA
<213> Homo sapiens

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<210> 45
<211> 1712
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(1712)
<223> n = a,t,c or g

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 <212> DNA
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<400> 46						
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<211> 1517

<212> DNA

<213> Homo sapiens

<400> 48

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 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <213> Homo sapiens

<400> 51
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 <212> DNA
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 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<400> 54

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<211> 532

<212> DNA

<213> Homo sapiens

<400> 55

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<210> 56

<211> 957

<212> DNA

<213> Homo sapiens

<400> 56

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<210> 57
 <211> 410
 <212> DNA
 <213> Homo sapiens

<400> 57						
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<210> 58
 <211> 871
 <212> DNA
 <213> Homo sapiens

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<400> 58						
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<210> 59
 <211> 636
 <212> DNA
 <213> Homo sapiens

<400> 59

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<210> 60

<211> 996

<212> DNA

<213> Homo sapiens

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<210> 61

<211> 1622

<212> DNA

<213> Homo sapiens

<400> 61

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<210> 62
 <211> 887
 <212> DNA
 <213> Homo sapiens

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<400> 62
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<210> 63
 <211> 857
 <212> DNA
 <213> Homo sapiens

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<400> 63
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tgttgctttg ctgttgatg ccttggtcca caagatatca ggagaaagtt ctgccactaa 300
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agacatggag	gagctgcagc	cagtgtatgt	caatgtgggc	tctgtagatg	tggatgtggt	420
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 <212> DNA
 <213> Homo sapiens

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<210> 65
 <211> 683

<212> DNA
<213> Homo sapiens

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<211> 1273
<212> DNA
<213> Homo sapiens

<400> 66
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<211> 2549
<212> DNA
<213> Homo sapiens

<400> 67

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<210> 68

<211> 533

<212> DNA

<213> Homo sapiens

<400> 68

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<210> 69
 <211> 850
 <212> DNA
 <213> Homo sapiens

<400> 69						
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cccgggcggc						850

<210> 70
 <211> 859
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(859)
 <223> n = a,t,c or g

<400> 70						
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<210> 71
 <211> 864
 <212> DNA
 <213> Homo sapiens

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<210> 72
 <211> 746
 <212> DNA
 <213> Homo sapiens

<400> 72
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 gaaaaaaata ccgccatcat taacatccat gcaggatcat gctcttctac cacaattttt 240
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<210> 73
 <211> 1928
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(1928)
 <223> n = a,t,c or g

<400> 73

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<210> 74

<211> 3644

<212> DNA

<213> Homo sapiens

<400> 74

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<210> 92
<211> 815
<212> DNA
<213> Homo sapiens

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<400> 96						
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 <213> Homo sapiens

<220>
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 <223> n = a, t, c or g

<400> 98

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<210> 99

<211> 1949

<212> DNA

<213> Homo sapiens

<400> 99

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 <211> 1496
 <212> DNA
 <213> Homo sapiens

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<210> 101
 <211> 529
 <212> DNA
 <213> Homo sapiens

<400> 101	
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<210> 102
 <211> 697
 <212> DNA
 <213> Homo sapiens

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 <223> n = a,t,c or g

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<210> 103
 <211> 711
 <212> DNA
 <213> Homo sapiens

<400> 103						
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<210> 104
 <211> 429
 <212> DNA
 <213> Homo sapiens

<400> 104
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<210> 105
 <211> 1028
 <212> DNA
 <213> Homo sapiens

<400> 105
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<210> 106
 <211> 738
 <212> DNA
 <213> Homo sapiens

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 <222> (1)...(738)
 <223> n = a,t,c or g

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<210> 107
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 <212> DNA
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<400> 107						
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cctctgtgtt	ggtcctgcgc	aagcctggca	tcaatgtggc	atctgattgg	agtattcacc	2820
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ccccttcttg	tcccttttga	ggggcactta	agatggagaa	atcagttgtg	gtttcagtga	3600
atcatggtca	cctgtattta	ttgctaggag	aagcctgagg	gtggggggag	atgatcatgt	3660
gtgctcgggg	ttggctggaa	gccctgggtg	gggggttggg	ggaggactaa	tggggagtcg	3720
gggaatatct	gtgggtatct	tttttacttc	ctcttgggtc	ccagctgtga	cacgttttga	3780
tcaaaggaga	aacaataaag	ggataaacca	taaaaaaaaa	a		3821

<210> 124
 <211> 428
 <212> DNA
 <213> Homo sapiens

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cgggactgcg	ccttttgcag	tgagaagaaa	aagatgcatt	ctcatggagt	ctcctactgg	120
acagtgcgga	cagtgatctg	gccgatcagc	agcctcgtct	ccaaaatcac	tacctgggag	180
tttaatgaag	tcacctccat	gtctgagcac	ctgaagtcct	gtcctttcaa	cattgtagag	240

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cacaaatctg acccgattct tttgactagc atgtgtcacc cccgtgagca ggcccagagag 300
agcttactct ccaccttttag aatcagacca cgaggaagat acgtctccta ttaattctga 360
tgccactega tgcacccttc ttggattcct tctcggagaa actgatgtat gacagactgc 420
gtggatca 428

```

```

<210> 125
<211> 1285
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1285)
<223> n = a,t,c or g

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<400> 125
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ttgtgaaatg gtttccttga caaaatttaa gctgagctta aaagcaaaaa aacaaaaagt 120
acacagaaat atttattaaa atgtaataca gtttattgaa ctttctaggt atggagtttg 180
atggacaggg ctgcctttaa tgagtgtgaa ggtcactaag tcacttagac atctcaccgt 240
ggaagtttgt gagcctgcat taggagatag actgattacc atacatgaca taaaaaggaa 300
cagtggatag ctcatacttt atgggtggtt ttctcctccg aaataatata ctgcagaaat 360
cccagacaga gctccttaca aacctttaat tgtaatatat ttttgatgat tattcacatt 420
gaatgcacag accaagaatt cagtgaatgt cattttttta aaaactaatt tgtattgtct 480
gctctagtga tacaagtttt actagtgata aactatttta atcaaccata ctattcttat 540
ggaaaaaaat atctattttg gcaggtttct gtgcctttat ttccctcttc tgaaaaaaag 600
tctgtgtttt catagtttgg ttgcatgtgt atatcaataa ttaatcagga atgggttttg 660
gtgctgaaa aattggccat ggaggcacac caaagcttca agcacaagtc ttgtacatgg 720
gccatcactg tctggtttca ctctgtgtgt ttctaaaca catttagctg cttttttaac 780
aaactcagcc ccatacttga gtcccttggt gttgggagca tttccaggca tcttttaagg 840
gaactgtgac aaacagcctc gggcagatga acacggaggc tctctgttgt ctgtctctga 900
gatcttttgt tctgggaatg cctaaagatt ttattttttt ttctttggtt ttattttatt 960
ttattttatt tttttgagac agagtctcac cctgttgccc aggtctggagt gcaatgggtgc 1020
gatcttggct cactgcaacc tccacctccc agttcaagtg attcccctgc ctcagcctcc 1080
cgagtagcta gggactacag gcgcattgtc cccaagcccg gctaaatttt tgtattttta 1140
gtaggaaacg ggggttttca ccatgttggg ccagggtgga tectcaatct cctgaacctc 1200
gtggatccac ccgccttngg gcttcccaaa gtgcgggat ttacaagcgt ggaaccacct 1260
gncccagcca gaaattagga ttttt 1285

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<210> 126
<211> 1285
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(1285)
<223> n = a,t,c or g

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<400> 126
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ttgtgaaatg gtttccttga caaaatttaa gctgagctta aaagcaaaaa aacaaaaagt 120
acacagaaat atttattaaa atgtaataca gtttattgaa ctttctaggt atggagtttg 180

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atggacaggg	ctgcctttaa	tgagtgtgaa	ggtcactaag	tcacttagac	atctcacctg	240
ggaagtttgt	gagcctgcat	taggagatag	actgattacc	atacatgaca	taaaaaggaa	300
cagtggatag	ctcactcttt	atgggtggtc	ttctcctccg	aaataatata	ctgcagaaat	360
cccagacaga	gctccttaca	aacctttaat	tgtaatatat	ttttgatgat	tattcacatt	420
gaatgcacag	accaagaatt	cagtgaatgt	cattttttaa	aaaactaatt	tgtattgtct	480
gctctagtga	tacaagtttt	actagtgata	aactatttta	atcaaccata	ctattcttat	540
ggaaaaaaat	atctattttt	gcaggtttct	gtgcctttat	ttccctcttc	tgaaaaaaag	600
tctgtgtttt	catagtgttg	tttgcatgtg	atatcaataa	ttaatcagga	atgggttttg	660
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gccatcactg	tctggtttca	cttcgtgtgt	ttcctaaaca	catttagctg	cttttttaac	780
aaactcagcc	ccatacttga	gtcccttggt	gttggggagca	ttccaggca	tcttttaagg	840
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cgagtagcta	gggactacag	gcgcagtcca	cccaagcccg	gctaaatttt	tgtattttta	1140
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gncccagcca	gaaattagga	ttttt				1285

<210> 127
 <211> 399
 <212> DNA
 <213> Homo sapiens

<400> 127						
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gctttttgcgc	ctctgtaggg	tgctgcacgt	gctccgcctc	ctggggatgc	taagagagca	120
aatgcacctc	ctgcgagaaa	agctgctgga	cctgctgcct	cctgagctgt	gccagcgtgt	180
gcccagggct	gcgactgcta	aggggcataa	gagaagagca	gctgctgtgc	ctgatgatgg	240
aacagatctt	ctcccacagg	gtatgagaac	agcctgcact	accgcagga	tctttaaata	300
caacactgag	ccatttgctg	catttctttt	tatactaaat	atgtgactga	caataaaaac	360
aattttgact	ttaaaaaaag	aaaaaagagg	gcggccgtt			399

<210> 128
 <211> 755
 <212> DNA
 <213> Homo sapiens

<400> 128						
cccacgcgtc	cggtttccagt	gagccaagac	agtgccactg	tactccagca	tgggcaacag	60
agcaagactc	catctcaaata	acatatatat	atattttagtt	tttgaatgag	tacattaaca	120
tagctcaaaa	tttacaagaa	ataaaaatgt	gtacagtaaa	aattaatctc	ctttccaccc	180
catgaccctc	agccactcag	atctccccag	aagcaaccgc	ttataaatat	acattgtctt	240
cccccgctct	ttctttgctc	atgaacacaa	atgggttggtt	tctacctaca	aagtgttctc	300
tactttttatt	tttctcagtt	gatttatctt	ggagatcatg	ccaaatcagt	aaatatagtt	360
acctcgttca	ttttaacagc	cgcatatgta	aataattcta	aaatgcacca	tactgtattt	420
aactaagccc	ttgttgacga	acacataaca	tggcccagta	tttttctatt	acaaacaatt	480
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aatttccctat	aaagggaaat	gctgtgtaaa	aagaaaatgt	gttgctaata	tgtaatttaa	600
aagagtctct	ctttttgaat	ttctcaagca	ttatgaaaag	atacggacta	gtatgatgaa	660
ctgctgaata	ccctatttag	cttcaagatt	ttcccatcca	tggctggggg	atttaaaaaa	720
aagggccctt	tctttcccac	ccaatttttg	taacc			755

<210> 129
<211> 1509
<212> DNA
<213> Homo sapiens

<400> 129
aagtaaaggt cctttttccaa aattcccaag ctgggttttaa tagggctccc caaaagggga 60
agagtattcg ttgcgaatcc cccgttaact ttggggccccc taagggttct ctttaagcggg 120
cccccttttt tttttttttt gactaagcaa aattttgtact tgtttaataa gaaaatcact 180
tctttaaaaa aatagttctt tacatgctga gggtcatcta tgcaatgcaa gagctgaaaa 240
cagattcgag aaaggctgtt cctacaaggg aaggctcctga ggttacaacg ccggcatggc 300
cgggaaaaca tggctgcagc gatcccagct tcttgctgcc cacaggggtg gcacatctgg 360
gcacacactg tgagctgctc agaggcactc tgggtgggcag ctcccatcgc ctccagtcagt 420
gtctccgtec ccttcactgc cttccagggg actgggcacc ttggcgcccc tgccacctgc 480
cgtgagagcg gtggcactga agttgtggat gggcaagggtg ctccagccact gggccatgga 540
gcgttcgtec cgctcgggtgc cgatgatggg ggggtagatg tgctcctcct tgaaggctgc 600
gacctttcct tctcctcgcg cccagtcacg cggctcatgc agcccatcgt tgccaaagcg 660
ctggttgtac ttctcgaagt gcacctctc caggaccagg ccgagtcagg gcgccttggg 720
cacgtccacc ttctctgtgc cccagctgcg ctccagcacg ctctcagggg cataaccctt 780
cacaatggcc accaccaggc cgacctctt ccgatctga tgcacatga agctctggcc 840
cttcacctg atcaccgcaa actccaggcc ctcccgaca aagggttctt cgcagtacat 900
ctccaggatg tagcggcagg cactgggatc ctgcggcccc ttctgcgagg tgaaattgtg 960
gaagtgtggt gtgcccttgt agcaggccag gagcctgttg acctgctgca gcgtctcggc 1020
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cagcaggtag caataggtcc tggcatcaca tctgttcttg gagttaaac ccgccgtgac 1140
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cccagacattc ctctgcatgc cgtggtagcc cttgcccga taggccatga gcagcacgat 1440
cttcgcttg ggcggttct cgcgcgcgtc ctctgcgcca ccgctcttga gcttcttcgc 1500
cggatgttc 1509

<210> 130
<211> 1245
<212> DNA
<213> Homo sapiens

<400> 130
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tgtcttttcc cctattttctg acctacaact ataaactact ctctattagg agaactagac 120
cactttcttc attcttttct aaactgctgc agattgccgt gaactctatc aatagtctct 180
tttccgcagg caaagtggca ttttctaaac atgtttgctt actgccaggg ggtttgaaat 240
ctatgattta ctgcagtagt atgtgcttaa aacaactgtt gaggtctttt aagcaggaaa 300
gttcaaaagg aagtgtcctg ataatggtag tgggttttct acaaatataa gtagtcattt 360
agaagtttgc aaccaccacc aagtctgaga gaactctggg atattctgtg ggttttggca 420
tattagatag agaaaatgac agatctagat gaaggagct tttggatgtg tgcctttaa 480
aactgattat gtataaatac tgatatttca catacggaga tatttgaaga cccaagtctg 540
cctttcacag agccctccat tccaagttaa gtttttgtca aaatatgaat cattttat 600
gactgtacta tcagtacaca aatgcatgag tatgtttata cagtgttaga ctgatgtgaa 660
tttgcatttg ttacattaca ttgccagcgc atatcattta gcaagttggc attaacattt 720
atgctttaat taaatgccag tatacctatg tgtgcagcag taaaaatta gtgagaaaaa 780

gcaacttttt	gtcactctta	ggaaatattt	tgtcttatta	gtgttcttgg	cacatgtata	840
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acaatgtccc	tgatattgag	ctaactctta	aaaaaaccaa	acaaaactcg	tatctgagtg	960
taactttgcc	aatattttta	aagccaaaat	attctctgga	caacaaattt	gtattgctca	1020
gggacagttt	accttgccctg	gtaaaccttc	ccaaacagaa	atatagctat	actatctttg	1080
gttttgtttt	tttggtttttt	ttgtttgttt	gtattagatg	gaatttcact	cttgctgccc	1140
aggctggagt	gtagtggcgc	agtctcagct	cactgcaacc	tccacctccc	gggttcaagt	1200
gattctcctg	tctcagctcc	ctgagtaact	ggaattacag	gtgcc		1245

<210> 131
 <211> 694
 <212> DNA
 <213> Homo sapiens

<400> 131	
gcaggcagga	gtcccactct cctgggtgca gctgcagcca cccaaaccgc agctgcagac 60
ccaggcatcc	ctgcactctt aagggcccgg gaaggccctc tccctcacag gctcagaaat 120
gcctgctccc	actgcctggc ttctccctgc tgtcagcacc tgctctaate tcagagcaaa 180
agcaggggta	atcctgggca ctatcacaac caggccatat gtgcacacct ggggcagtgc 240
tgacatggca	acccctacc accttgcccc ctcttggaact ttgggcactg acaagcatag 300
gaggggaagg	aatagggggc agagggcaat ttggggctgg cctacagggc ccccttgcca 360
cttatagcct	gagtgtcatg aatggcagca ggaggcagac aggtttctgt gtggaaggga 420
gtgagttcct	tgtgaggtcc caccttcagg ccaggtaggg cctgaaggct gggggctggg 480
ctgccagccc	cacggactga agtgggaacc tgtggggcct tttctgagcc tgcccagggc 540
ccccatggac	caattgggat ggacttcctc cctctgacac cccaaaaaac cctgggctct 600
gccagaactt	aacagaagtt gggaatgaac cggctggggg gaagaagcta ccccaatccg 660
gggccccccc	ctctgttgag aaccaccca tgtc 694

<210> 132
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 132	
caagatgggc	cattctgggt tctttgcctt tttgtatgaa ttttaggata acaggggtcaa 60
atctctgcaa	ataagtcagc tgggaatttg atgaggatag ggttgaatct atgtatcagt 120
gggggagtag	tatcatccta atattatggc ctttatccat gaacatcgga tggtactcca 180
tttatttgaa	gatggttatg cttttgtctt caaaattcag ttggaagagt ttttctaaat 240
tgcagttttt	attacttttg aaattcaggt acatgtgtat ttgagctgaa aatgggtata 300
ggctctttga	taactgcatt ttgattagtt ggcagaatca gtctacagtt ccttcaactc 360
tggggataca	aagattttat tttaaagttt agatacacag gtgtaatttg taaaagacag 420
aaattggaga	ccctccaaat gggctattga ttgaaccttt agggaa 466

<210> 133
 <211> 1845
 <212> DNA
 <213> Homo sapiens

<400> 133	
ctatggacca	aggactacag gccgggacag gatttgcgct tgcttagtca agctaccctg 60


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actttccatc caacagtacc tagcccgctcc acattgttgg ggttgctgcc agctgaggac 120
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agccagaagc tgtttgcctt tcagtgggaa gatccggagt cagcccttgc caaaacggtg 240
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ggcatacaag cttatggagc agccgccttt gaagatctcc aggtagactt cacagagatg 360
ccagagtgtg gaggaataa gtatttacca gttcttgggc gtacctactc tgggtgggtg 420
gagacctatc caacaagagc tgagaaagct cgtgaagtaa cccgtgtgct tcttcgagat 480
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gctgacttgc tacagaagac ggcaacggta ttggggatca cacggaaact gcatgccgcc 600
tcccggcctc agagttccgg aaagggtggag cggatgaatc ggactatcaa aaataatatt 660
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acaggggtaa tgtacacca ctgctttatt gggagtaatg tcatcctctg ccttcttgga 840
tattaggaac aatatcacag ggtgacgtac atttcccgcg atactgaggg cagtattatt 900
gtcttccccg cctgggtcac ggtgctgagg aacctgctca tcatcctggc tgtcagctct 960
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ggtttcacct cggccatggg tcccaagatg attgtggaca tgcagtcgca tagcagagtc 1080
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atttcatcgt cagatgggta gtataaagcc ttctccgcct gtggctctca cctgccagtt 1560
gtttgcttat tttatggaac aggcattggc gtgtacctga cttcagctgt ggcaccacco 1620
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acagtcaaat ctcatgatct gttatctcaa gatctgctcc atcctttttc ttgtgtgggt 1800
aagaaagggc aagcacatta aatccctaca tctgcaaaaa aaaaa 1845

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<210> 134
 <211> 1019
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1019)
 <223> n = a,t,c or g

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<400> 134
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gggttcttat cctgatgca catggccctt gctgctgtgt cattccccta ttggctaggg 180
ttagaccaca caggccaaac taactccaac cttnnngggg nctaatttaa agagagtgcac 240
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caggatggag caggtaatcg aaaaagggtg ctttatgaag aaagttaagt ttccaagtag 360
aaggcaaaga atttgaacat actgacatta ctggattctt taaagagaaa tttagaactc 420
atatctaaca cactgatggc tatagcatat cctctgtcct ttttccctatc tattggagga 480
ggagacttag gtgagacctc cgtttccctgt tattttgacc cagtgatatt gggactgagg 540
gaagaggagg tgataaggca ggtgacattt tctcctcctt cctcttttta ggctcttctg 600
tgtgtaactg agccagggtc gctctaatta aagcccataa cattaaagat tttactggga 660
cctgatgcct ttgcacctga tgttgtttta gatttctccc cacttgttcc cagagttcta 720
catctagtgt tctttcctct gggaaacctg ggctttgtac tccattattg accacactag 780
tttttaatto cttcaacaac tgaaattcta gtgggggtgt ttcatgaata aactgctgtg 840

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gattattggg atcaggcctt atggaaacag gaacagcgca aggtcctaag ggctctccag    900
ctatgacagc agagcgtaaa attctttgta ttgggggtttc tatttgtgct actgaaggag    960
gcagtacaga tgtttctgca attggaggag aattccacca cgtggactag ggtttcgat    1019

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<210> 135
<211> 764
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(764)
<223> n = a,t,c or g

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<400> 135
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ccacattgta cattaatgca tcaagcagcc tcagtagcaa gggaaaaaaaa gctgactgaa    540
caatggcttc ttatctatgt tattaagatc ctttttttaa attgcttagc ctttagagaa    600
tattcactta agaaacaaat atatttagcc aggtacgggt gctcacgcct gtaatcccag    660
cactttggga ggccaaggcg ggtggatcgc ctgaggggna gagttcaaga ccagcctggg    720
ccacataatg aaacctgtc tctactcaaa atacaaaaaa aaaa    764

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<210> 136
<211> 1016
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(1016)
<223> n = a,t,c or g

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<400> 136
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gacaatgaag aatattttatt gaggggtttat tgagtgcagg gagaagggtc ttgatgcctt    180
ggggtgggaa gagagaaccc ctccccgtgg attctggaag tctaagtttc ccgtgggtggg    240
ggggtgaggg tttgagaaac ctatggaaca ttctggtagg ggccactgtc ttctccaacg    300
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ggggggggtg tctccactcc ccgctttgac gggggctgct atgctgcgct tccaggggna    480
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gctgtccac gcctgacagt aatagtcac cctcatccat agcctgtgtc ccgctgatgg    720
tcaaagtggc tgttgttcca gagttggagc catagaatcg tttatggatc cctgaaggcc    780

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gcctgctatc	ttcatagatg	accagcacgg	gggactggcc	tgccttctgc	tgataccagg	840
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acacggacac	tgaggggtggc	tgagtcagct	cataggaggc	cacggatcct	gtgcagtaag	960
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<210> 137
 <211> 727
 <212> DNA
 <213> Homo sapiens

<400> 137						
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 <211> 659
 <212> DNA
 <213> Homo sapiens

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<210> 139
 <211> 2068
 <212> DNA
 <213> Homo sapiens

<400> 139						
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<210> 140
 <211> 580
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(580)
 <223> n = a,t,c or g

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tacctaaaat cacttaataa actaagtcac ctaatctatt ttttggatct gatgatctgt 360
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taatccctga acctatgact ggggtgggca gcatggcaaa gggaaattaa ggttgcagat 480
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gggcattccc cccgtctcct ccccgcccc accgangcag 580

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<210> 141
 <211> 1276
 <212> DNA
 <213> Homo sapiens

<400> 141
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 <211> 2398
 <212> DNA
 <213> Homo sapiens

<400> 142
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 <211> 6358
 <212> DNA
 <213> Homo sapiens

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<210> 149
 <211> 1556
 <212> DNA
 <213> Homo sapiens

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tcttgccagg	atcaaagagg
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agccccaaaa	ggggcagcgt
tccaccgtct	cgaacctatc
tggtttat	tggtttat
agctagaa	agctagaa
agcccagag	agcccagag
gtttctgccc	gtttctgccc
tgcccttccc	tgcccttccc
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atttgctcac	ttccaatctc
gccgcattcc	agccctgcca
cctcagctct	cctaacagga
ccaagecgtg	agcccagaaa
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agcaaggagg	aaggcagggt
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ggatcatcag	ctccctcct
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ccagcgcgaa	ccagcgcgcg
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<210> 150
 <211> 688
 <212> DNA
 <213> Homo sapiens

<400> 150
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 agatgctgga tcctccaggc tggggttagaa ttgcaacagc ttgtccttcc ttgtgggtgc 180
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 cacacctgcc caagcggacg cgtgggtc 688

<210> 151
 <211> 1667
 <212> DNA
 <213> Homo sapiens

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 tacctggctt tccctaattc accgacccca ggattaaccc catggtggtt ggtatcaggg 360
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 aagtgggggc cgccaggag gctggaggaa ggtgacggga cttcaggcct tggaatgggg 1260
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<210> 152
 <211> 1040
 <212> DNA
 <213> Homo sapiens

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<400> 152
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cgtagcgga tggggggtat gctgttcgaa ttcataagaa caggagggtt agaagtaggg 180
tcttggtgac aaaatatgtt gtgtagagtt caggggagag tgcgtcatat gttgttccta 240
ggaagattgt agtggtagag gtgtttatta taataatgtt tgtgtattcg gctatgaaga 300
ataaggcgaa ggggcctgcg gcgtattcga tgttgaagcc tgagactagt tcggactccc 360
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tggccaaggg tcatgatggc aggagtaatc agagggtgtt ttgtgttgtg aataagggtg 480
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tatgcgatta ccgggctctg 1040

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<210> 153
 <211> 849
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(849)
 <223> n = a,t,c or g

```

<400> 153
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ctatctgctg tgccctcagct gcttattttg gacagggtat gttacttata tatgcctggc 180
gtgctgaaac atctcttgaa actgagttct ataccattcc tttgtcttgg ctttactact 240
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ccagagcatt ttaaattaat cctttctgtt tcattattcc tcacttacac ttaaaatgac 360
agtatatggc cagggtgtag ggttcatccc tgtacacctg gcactttggg aggctgaggc 420
ggaaggatcc cttgagccca ggagttggag accagcctgg gcaatatggc gagaccctgt 480
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cgacggacg

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<210> 154
 <211> 860
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(860)
 <223> n = a,t,c or g

<400> 154
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 atcccatttg tgggttctct taattctatc attgcttctt ttcttgcgga aaagttttaa 180
 gttttatgca gtctcatttg tgtgttttgc ttttggttgc ttttgggaata atctacagaa 240
 aatcatagct caggccaatg tcatacagtc tccttctata tttccttgta gtagttctac 300
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 ttttggggcg ggccatttta cgatttgggt ggccgcccctg gctcaagctt ataatcccac 480
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 cccaacgcgg agaaccccc tctctactag nnnacccaaa aaanannnaa ggggcgcccc 600
 ttctggagga tcaaacttta cccgcccgc acaaccaaac cttatccctt tcctaacggc 660
 cccccacctt caacgcccc gcgggcctc aaccatccgc cgggcgaaaa cctcggcctc 720
 cccaatttaa tccctctgaa cagccccacc cgaaacaccg gacccgcgca acggaccgc 780
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 cgccgaagcg caccgcccc 860

<210> 155
 <211> 552
 <212> DNA
 <213> Homo sapiens

<400> 155
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 ctgacatgga gctgaccaca gctcttgag gcatggcctg aggcttagaa aatagacaga 180
 gatcatctga gatttcagca gtggggccac gtggcagcgc ccgaaggcct ggagcaggag 240
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 ctctcttcac gg 552

<210> 156
 <211> 1120
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(1120)

<223> n = a,t,c or g

<400> 156

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<210> 157

<211> 392

<212> DNA

<213> Homo sapiens

<400> 157

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gcaataagg	aagaaaataa	aaatacaaaa	atcaacatac	aaccaactgc	aaaggaaatt	180
ttaaaaaatt	acattcacaa	atagcataaa	aagaataaag	gatttagaaa	taaagttaat	240
gaaagaagta	caggacagta	cactgaaaat	tataaaacat	tgtcaaagga	aattaagacc	300
taaataaatg	gagatatgtc	ccatgtttgc	aaataggaaa	atacagtatc	atcaagggtg	360
cagttttccc	aaaattgatc	catagattca	at			392

<210> 158

<211> 1549

<212> DNA

<213> Homo sapiens

<400> 158

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<210> 159
 <211> 3431
 <212> DNA
 <213> Homo sapiens

<400> 159						
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cgccgcgcgc	gccgcgcgcg	cccccccaac	agcagccgcg	gcgcgcgcgc	ccgcgcgcgc	180
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<210> 162
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 <212> DNA
 <213> Homo sapiens

<400> 162

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 <212> DNA
 <213> Homo sapiens

<400> 163

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<210> 164
<211> 807
<212> DNA
<213> Homo sapiens

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<210> 165
<211> 1063
<212> DNA
<213> Homo sapiens

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<210> 166
 <211> 848
 <212> DNA
 <213> Homo sapiens

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<210> 167
 <211> 1270
 <212> DNA
 <213> Homo sapiens

<400> 167						
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<210> 168
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 <212> DNA
 <213> Homo sapiens

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<210> 169
 <211> 5273
 <212> DNA
 <213> Homo sapiens

<400> 169

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<211> 768

<212> DNA

<213> Homo sapiens

<400> 170

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<211> 4001

<212> DNA

<213> Homo sapiens

<400> 172

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 <213> Homo sapiens

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accatacttg	aagctcccag	gacaaggggt	gagaggctca	acccctcttt	cagcttctat	1680
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<210> 181

<211> 753

<212> DNA

<213> Homo sapiens

<400> 181

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ggggttgaag	cagctcatag	gccttgagtt	gctgacggcc	cagtgcgggc	agatcaactgg	360
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gaaaacccca	ccggtcctaa	aactaccgtt	agggcacccg	cttgcacatt	gctgtagtta	720
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<210> 182

<211> 1620
 <212> DNA
 <213> Homo sapiens

<400> 182

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tcttttttta	aatctagtcc	ccaatttgga	gtatttttgc	atgtttttgt	acagagtaat	300
ccattcctct	cattgtgtat	cttaatctcc	tctgactttt	ccattgtctt	tctcaatccc	360
accctttgct	cttcggatct	caccaacccc	ccttaaaaaa	taaatcatgt	ttgagcaaga	420
aggtagaaca	cgccctccct	catcttggtt	ttaattgctt	tggaaacgtg	ttctaccctg	480
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<210> 183
 <211> 1298
 <212> DNA
 <213> Homo sapiens

<400> 183

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gagctcccca	ctggcttttg	ctggggacac	cagaccacgt	ttcttgaggt	actctacgtc	180
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<210> 184
 <211> 797
 <212> DNA
 <213> Homo sapiens

<400> 184						
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tgatgggtgcc	ccggcgcc					797

<210> 185
 <211> 1735
 <212> DNA
 <213> Homo sapiens

<400> 185						
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cattctgctg	tgacagaccac	cttttaaaaag	tgatcacaaa	ccatttgctg	aatacttgtg	360
gaacttgaat	cctcaccaat	gtctccattt	tctggaatcc	atcccaaccc	ccaccttggg	420
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gaatgcgggc	tgggcgcggg	ggctcacgcc	tgtaatccca	gcactttggg	aggctgaggc	660
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<210> 186
 <211> 669
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(669)
 <223> n = a,t,c or g

<400> 186						
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cccctgagcc	tggctccttct	cgtgtgtggc	tggatctgcg	gcctgctcag	ctccctggcc	180
cagagcgtgt	ctctgctgct	tttcaccggc	tgctacttcc	tgtctggggag	tgtcctgaca	240
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nnncaagg						669

<210> 187
 <211> 1804
 <212> DNA
 <213> Homo sapiens

<400> 187						
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aaggaaagag	ggaaccccag	acgctggccg	tccaaaatcc	accaaagaaa	gtgacctctg	180
agaaagttag	ccagaaacat	gctgagcctt	tgacagacac	tggctctgag	accccgactg	240
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agaaatctca	gcgacagcac	acagatggca	ccacaataag	caaaaataaa	aaaaggaaac	540
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gtgtcagttt	catgtaccag	cccagggaca	gcagcaatga	aggggaaggc	gtgggagagg	660
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aggg						1804

<210> 188

<211> 1070

<212> DNA

<213> Homo sapiens

<400> 188

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catttgtttc	gacatagttt	gccctggcgt	tgctcagttt	tttttgaggt	accactaatt	180
tctcccatat	ctatgagcag	gtagtatgaa	ttttccatc	tgaggagagac	tctattgtag	240
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tataagattc	ttgtcaaagt	ccatcttttc	atagcagaaa	ttgcccttta	tgatttttta	360
aaattctttg	agttatatgg	aatctgcatg	tttaaaacac	ttacctgtct	ggtagtgtact	420
actctgatat	ttattaatct	acttagtttg	taagtaaagt	aaacatttac	atctgggtta	480
aatttactat	acccccccca	aaaaaaaaact	acctgtttgt	ttacctcata	actgattctg	540
tttacatata	cccacacata	cacaaccac	caatactatt	aagcttttaa	tgtggacatt	600
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taatttatcc	tggctacaaa	agaagaatc	taggcaaaga	ctaaagaaag	ccaattgtca	720
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tcgcttgagc	ccaggagttt	gagactagcc	tgggcaacat	aggagagccc	cgtttcttat	1020
taaaaaaaaa	cctggggggt	gggggccctg	cctgtggggc	catttaataa		1070

<210> 189

<211> 863

<212> DNA

<213> Homo sapiens

<400> 189

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ccccaggagg	aatggaagct	ttcccgcaca	cctgcctcct	tcctctggac	tcctgtgttt	120


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ggtttatgta cttcaatgtg atacatcagc agtctctttg gtctgggctg accttccaca 180
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ctccaggaca agcgccactg ttgtgcgcag ctcagccaca ctgetctggc ctcagtttcc 300
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cggaacctaa gctgaaaccg aaccacccta actggggggc caaagccgca actaataaac 780
cggttacggc accgcccctt gcgataatac aaaaaccgtt ttgtgctgcg ccctgaaaga 840
acgtgccccca gttaggcctt cac 863

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<210> 190
<211> 420
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(420)
<223> n = a,t,c or g

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<400> 190
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actagctgta cccaccttgc ctggggcccc cgtgctgggg gtcgccccca agatggtggc 180
ggccccaggg aggactgtac tgccagcccc agcctctggc cgtagggcac cccctgcctt 240
gccctggccc ctcactccga ggccagcgcc atgctgcgcc tggggctgtg cgcggcgcca 300
ctgctgtgcg tgtgcccggc ggggtgccgt cgtgccgact gctggctcat tgagggcgac 360
aagggctacg tgtggctggc catctgcaac caaaaccagc ctgcctacga gaccatnccg 420

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<210> 191
<211> 988
<212> DNA
<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 977

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 2667

<212> DNA

<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <211> 740
 <212> DNA
 <213> Homo sapiens

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 <211> 926
 <212> DNA
 <213> Homo sapiens

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<210> 219
 <211> 845
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(845)
 <223> n = a,t,c or g


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<400> 219
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<210> 220
<211> 2950
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1) ... (2950)
<223> n = a,t,c or g

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<210> 221
 <211> 2125
 <212> DNA
 <213> Homo sapiens

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<210> 222

<211> 1947

<212> DNA

<213> Homo sapiens

<400> 222

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<210> 223

<211> 1131

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1131)

<223> n = a,t,c or g

<400> 223

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<210> 224

<211> 975

<212> DNA

<213> Homo sapiens

<400> 224

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<210> 225

<211> 1601
 <212> DNA
 <213> Homo sapiens

<400> 225

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<210> 226
 <211> 974
 <212> DNA
 <213> Homo sapiens

<400> 226

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974

<210> 227
<211> 666
<212> DNA
<213> Homo sapiens

<400> 227
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<210> 228
<211> 1918
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1918)
<223> n = a,t,c or g

<400> 228
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<210> 229

<211> 1593

<212> DNA

<213> Homo sapiens

<400> 229

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<213> Homo sapiens

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<213> Homo sapiens

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<211> 1970

<212> DNA

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<400> 241

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<211> 1398

<212> DNA

<213> Homo sapiens

<400> 242

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<211> 1146

<212> DNA

<213> Homo sapiens

<400> 243

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<211> 1004

<212> DNA

<213> Homo sapiens

<400> 244

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<210> 245

<211> 1970

<212> DNA

<213> Homo sapiens

<400> 245

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<211> 5201

<212> DNA

<213> Homo sapiens

<400> 246

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<211> 990

<212> DNA

<213> Homo sapiens

<400> 247

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<211> 1891

<212> DNA

<213> Homo sapiens

<400> 248

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<211> 3196

<212> DNA

<213> Homo sapiens

<400> 249

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<211> 923

<212> DNA

<213> Homo sapiens

<400> 273

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<210> 274

<211> 4784

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(4784)

<223> n = a,t,c or g

<400> 274

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<210> 275

<211> 562

<212> DNA

<213> Homo sapiens

<220>

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<400> 275

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<210> 276

<211> 1600

<212> DNA

<213> Homo sapiens

<400> 276

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<210> 277

<211> 1293

<212> DNA

<213> Homo sapiens

<400> 277

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<210> 282
<211> 1561
<212> DNA
<213> Homo sapiens

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<222> (1)...(1561)
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<400> 282
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<210> 283
 <211> 1732
 <212> DNA
 <213> Homo sapiens

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<400> 283
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<210> 284
 <211> 3215
 <212> DNA
 <213> Homo sapiens

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<210> 285

<211> 995

<212> DNA

<213> Homo sapiens

<400> 285

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<210> 286

<211> 5838

<212> DNA

<213> Homo sapiens

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<211> 648

<212> DNA

<213> Homo sapiens

<400> 287

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ccccgcctct	actagaggag	aaaataaaaat	taccaggtgt	gggggaggcc	cccggaaacc	600
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<210> 288

<211> 367

<212> DNA

<213> Homo sapiens

<400> 288

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<210> 289

<211> 971

<212> DNA

<213> Homo sapiens

<400> 289

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tccaactgct g 971

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<210> 290
 <211> 771
 <212> DNA
 <213> Homo sapiens

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gaaaatatct aaagaattct caatgttcaa aattctgaaa agcaaattcta tgctgaatgt 300
gtgggtggggg cattctaaaa gataaaaaat gatggctaca aaaagccaag tataaaaaaga 360
aacacgtaca tatacacaca catacaccta cacatgtaca ttccaagagg cagaggagag 420
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caacaaaagga caatgagtaa actgcagtat ctaaagattt aaatctcaga atacctgcca 540
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aatgggctga gtnctcagag tgcagaacag cttgggcaac atggcgaaac cctgtctcta 660
caaaaaatac aaaaattagc tgagcatggt agcgcacacc tgtagtcaca gctacttgag 720
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<210> 291
 <211> 595
 <212> DNA
 <213> Homo sapiens

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<400> 291
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gattgctccc tcaactgtcca gatatccata tagcttactc tcttatttct tcacatctct 300
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<210> 292
 <211> 384
 <212> DNA
 <213> Homo sapiens

<400> 292						
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<210> 293
 <211> 461
 <212> DNA
 <213> Homo sapiens

<400> 293						
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<210> 294
 <211> 3620
 <212> DNA
 <213> Homo sapiens

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<211> 627

<212> DNA

<213> Homo sapiens

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 gaactgcctc tgttcttact tggaaac 627

<210> 296
 <211> 888
 <212> DNA
 <213> Homo sapiens

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<210> 297
 <211> 675
 <212> DNA
 <213> Homo sapiens

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aggccaacga gggac

675

<210> 298
 <211> 379
 <212> DNA
 <213> Homo sapiens

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<210> 299
 <211> 887
 <212> DNA
 <213> Homo sapiens

<400> 299
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<210> 300
 <211> 935
 <212> DNA
 <213> Homo sapiens

<400> 300
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 tgtcttctaa cagagtatgt acaggaaggt aatagttgct ttaacagtgt tcagacttca 300
 aaagtgtagc tgttgagaa gtaagagcat caagcaagga gtggaacact tttggttggg 360

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<210> 301

<211> 2283

<212> DNA

<213> Homo sapiens

<400> 301

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ctctcagcac	agtaacgcag	ctgcagctctg	tcgggtggggg	cccaggctag	gggcagcacc	300
ctcttttggc	atacgggaca	tgccctggctg	cagctgatgt	cogttagcct	ctcctgacac	360
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acc						2283

<210> 302
 <211> 413
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(413)
 <223> n = a,t,c or g

<400> 302
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 cttgggtcccc tgggcccctt aactcagtac ttgatggacc accatcacac ccttctgtgc 240
 aatgggtatt ggcttgccctg gctgattcat gtgggagagt ccttgcatgc catattattg 300
 ggcgagcgta aaggcatcac aagtggccgg tctcaactac tgtggttact acagactttg 360
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<210> 303
 <211> 681
 <212> DNA
 <213> Homo sapiens

<400> 303
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 gctaagacct gggccaagcc g 681

<210> 304
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 304
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 ctgggtggctc ttcatgctgg ctacatcttt atccagacgg agaagacat ctacacccct 180
 gattcactac cgggtgttca ctgtgaacca caagatggac cctgtgacca ggacattcac 240
 tctggacatc aaggtggtct ttcccgatga ggggtggggg gtggtggtgg atcctggaca 300

ctgggggttac atggtgtgct gaagtcctgg gggcatgagc caccagggcc ctcccagagg 360
gcagtcacca gccccacccc ctatccccac agaaccctaaa gggaaacacc gtgattagcc 420
agagtct 427

<210> 305
<211> 609
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (609)
<223> n = a,t,c or g

<400> 305
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cacagtgggc agcagcagac ctgttgcttg tctggagtcg gtccctggga tgtgtatgtc 180
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atttttttca tcacattttc attgtattag gtatcagaat tttttttttt aattcagtac 420
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gtgcacnctg tgcccggcct aacattaatt cttagttatg tgcacagtct tatgggcaca 540
aaagccaaat actctcatgc ctgaagaaag taagcatttt taatgcaaag gtatgagtag 600
acaatgatg 609

<210> 306
<211> 608
<212> DNA
<213> Homo sapiens

<400> 306
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tctactaa 608

<210> 307
<211> 781
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(781)
 <223> n = a,t,c or g

<400> 307

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tccatggcta	tgagtccttt	ccattcttctg	aggatcctgg	attctgaaat	tcaaaagcca	480
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ggcggatcac	ttgagcccag	gagttcaaca	ccagcctgag	caatatggcg	aaacctgtc	600
tctaccaaaa	atacaaaaat	tagccagcca	tggcggnggg	caactgtaat	cccagctact	660
cgggaggctg	aggcaaaaag	gtttgcttgg	acccaggagg	caaagtggc	gtcagcccag	720
aacatggcac	tgtactccag	cctgggcaac	anagtggagc	cctttttttc	caaaaaaaaa	780
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<210> 308
 <211> 1391
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1391)
 <223> n = a,t,c or g

<400> 308

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acagaattgc	taacattttc	ataaaataat	tactatactt	cagttacagg	acaaaatacc	120
acagaaagga	atgtactttg	caagaaatgg	tagttcatcc	taagtttcca	aatacttttg	180
gaaggcta	gcagcagctg	ggcaaaaata	cacacagtac	acaaagaaca	gtgtatttca	240
cagagtcagt	aatgaaaaac	tgacagctct	ttaggcagga	tatgcttttt	ttcatttttt	300
taaacaataa	ccactttcaa	aaacacatgg	aaccaagatc	atacatgggt	ttacaatttt	360
aaaaaatcag	attgtacaca	atagggttaga	atagacaagt	tagaattgtc	atgattttta	420
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agcagcactc	tgctgacatt	tggcttaaaa	ataaatgaat	gaatgaagca	atttcacagg	900
atattattag	aaaaagaatt	ggttttcttc	ttgaagaaga	ctactaactt	ttgcacagca	960
actatttttg	atatccatct	tatcaaaaag	aaaaaagaaa	gcactgagaa	gtataacaca	1020
gttcatacat	gattgccaac	atgggtctgg	acaaaagaaa	atgggatgtc	caagcaaaga	1080
acgggtaaat	ccctgctcta	tttctgaact	ctgctggcaa	tctataaact	gaagcagtaa	1140
cagtggggga	aagcaaggga	acaaattcca	taccatcatc	tgacactaat	ggagtatggc	1200
attattaaaa	aaaataaagc	ttttgcattt	taataacccc	acagaaaagt	ctatgagcaa	1260
aagacttgat	ctgtttgcca	ctcaaaagtt	agagatctca	cagtgaattt	agaaaactct	1320
aattatacat	atttcggacg	cgtgggtcgn	ccctgcagat	ggngatcatn	ccgacgggat	1380
cagtgggggc	c					1391

<210> 309
 <211> 874
 <212> DNA
 <213> Homo sapiens

<400> 309
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 tcctagggtt ttttggtttt gttttgttgc caacgaggaa cacagctctg ggggaatggt 180
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 aatcccagca ctttgggagg ctgaggcggg tggatcacct gaggtcggga gtttgagacc 300
 agcctggcca acatggtgaa accccatcgc tactaaaaat ataaaaaatt agctgggcat 360
 ggtggcgcac gctgtagtgt ccagctactc aggaggctga ggcaggagaa tcgcttgaac 420
 ccgggagggtg gaggttgacg tgagctgaga tcgcaccatt gcactccagc ctgggcaaca 480
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 gaaatacagc atgcagacca aacaaaaatc tccacagtca ctgaactcat attctagtat 780
 agggagcccg aaaacattta caagtgaatc tacatcactt tgatagagta agaaggcaag 840
 tgggaattcc gccacacgaa ctagggatct cgat 874

<210> 310
 <211> 802
 <212> DNA
 <213> Homo sapiens

<400> 310
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 tgttttgagg ttatctaggt acctaatata tgccctgttt tacagcccat gttcacagcc 180
 cattgagaaa tagacaaagt gggtaaggca gatgaatgaa aacatgtcag ttttattact 240
 gataatgtac tgcaattgga gaatgtggtc agatattcca aacttcctat gactgcacac 300
 tgaagagtct tctctttgga ggggagaaaa ataatgctcg tggctgtttt taaaattatg 360
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 aaattttaga tactctatct tgaaaaacct tctgaaaaa gtataaaaaa tatttgagat 480
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 gaaaatcaaa agtacagaat cttttaggca ggaaatacat tttggccaat tataatttta 600
 gaagtcaaaa ttgttaaggt ttttggaacca agcacaatgg ctacgcctg gaatcccaac 660
 actttgggag gcttgaggca ggcacttcac ttaaggtcaa gagttcagaa ccagcctggg 720
 caacatggtt taaccccccc ctcccttaag cattacctaa tttattgggg catgggggaa 780
 cactacgcct gaaacccag cg 802

<210> 311
 <211> 352
 <212> DNA
 <213> Homo sapiens

<400> 311

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aacaggagca	ccatttcctt	gagctcctcc	acgccaaggc	ctgtgagcac	catggggagc	180
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agccaagtgc	ccactgagag	tgtatggatg	ccacccctgg	ggaatcctat	tggtgccaac	300
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<210> 312
 <211> 1267
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1267)
 <223> n = a,t,c or g

<400> 312						
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gcaaaagtgc	aaatttgatc	atgctgttct	tctgctccag	atttttcagt	ggcttctdaa	180
ctcattcaga	gtaaggccaa	aatccttacg	aagtcctata	atcatttgaa	tgatctgttt	240
ttgtctgcct	gtctgtccta	aaacacacct	ggctcatccc	atgctagcaa	cattggcctt	300
tgtgtcactt	cttgaatatg	ccaagcattg	cctcagggac	ttcatacttg	tgtcctttct	360
tcttggaatg	ctctttctca	gatatcaaca	ctaaacacta	ccactcctca	aatatcacta	420
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<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 6248

<212> DNA

<213> Homo sapiens

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 aagcagaaca tctgactgtc tctctcctgg ctgtgtccag gaggtagatg ggcttgaaat 420
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 gctgccaggc atgtgcacca ccaggacctt ttttt 635

<210> 320
 <211> 1311
 <212> DNA
 <213> Homo sapiens

<400> 320
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 ccggaaaggg ggcgctcgtg cccgcagcct gagactcctg gctgagttcc gtcgggatgc 180
 ccggtcgggtg aagctccgac caggggagca ctttgtggag gatgtcactg acacactcaa 240
 acgcttcttt cgtgagctcg atgacctgt gacctctgca cggttgctgc ctgcctggag 300
 ggaggctgct ggtattccta agatccctga gagccaaggc ccaaccagga tctctgcctt 360
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 catccagaga cttggctcag ggggagggtg gaagggggca gagacacatc catcctgcat 480
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 aaccctcctc cattccatcc ccagagctgc ccagaagaa tcagcgcttg gagaaatata 600
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<210> 321
 <211> 867
 <212> DNA
 <213> Homo sapiens

<400> 321

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cttccatggg	accctgcagc	tgggccaggc	cctcaacggt	gtgtacagga	ccacggaggg	180
acggctgaca	aaggccagga	acagcctggg	tctctatggc	cgcacaatag	aactcctggg	240
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gagcgcctgg	ctgggcccctg	cctaccgaga	atttgaggtc	ttaaaggctc	acgctgacaa	480
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ccacttttga	gcacagagca	gagacagacg	caggcgggga	caaaggcaga	ggatgtagcc	780
ccattgggga	ggggtggagg	aaggacatgt	accctttcat	gcccacacac	ccctcattaa	840
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<210> 322

<211> 1144

<212> DNA

<213> Homo sapiens

<400> 322

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agagaaacac	agagattcct	tattggcaat	ctttctgttc	tcttatttaa	agaaaaaagt	180
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cccatggcct	ggatctcccc	gggttttagct	gtgcccagct	gtcccagta	catacttcaa	480
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gcaacaaagc	ggcgctgtga	gcagctgcgg	agcacagggg	gcactctctg	aggacaaccg	1020
cagcaacaac	aataacagca	ggctgggccc	ggtggcttac	acctgggatc	ccagcacttt	1080
gggaagccga	ggcaggaagg	atcgcttgga	ggcgagggaa	ttaagaacag	cctgggcaac	1140
ataa						1144

<210> 323

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (366)

<223> n = a, t, c or g

<400> 323

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gccgaatggg	cagacatcgt	ggcatggatg	accattattc	tccagataga	gacagtcatt	180
ttcttactct	acctcgctcc	agatacagtc	agaccattga	ccatcatcac	agggatggca	240
gggattgtga	agcagcagat	agacagccat	atcacagatc	cagatcaaca	gaacaacggc	300
ctctccttga	gctggaccacc	acccgctcca	gatccacttg	acggnccttg	accaacctta	360
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<210> 324

<211> 839

<212> DNA

<213> Homo sapiens

<400> 324

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gaattgtgct	aataatttaa	ctcaacagca	tctaacaaag	gcagtcttat	tcttggatca	120
tgtgtacaga	tcatagtctg	aagtgggaata	agcagaatgt	tgtcctcagt	gtgagatggt	180
atttagaaca	cactggaaac	atttgtatgt	cattgtgcac	tgaggcaggg	aaatgttagt	240
ctacatttta	tggaaatagt	acttcaatgt	ttgcattgta	cctggagtga	taaaaagcaa	300
aacagggtact	caagacctgt	ctgggctttg	gcctttgggc	acattcccc	tcatcacctt	360
ccttcccact	tggctgagct	atggatgaga	aaacctaggt	caatagtcca	ccaactcacc	420
ttcaagccag	gtgggctgac	aagtcctcct	ttgaccacag	gaccccagcg	cctgcatcca	480
gaagcatcta	agatcctgga	agtcaactta	aattttcaat	gaatgggcca	gttgcagggg	540
ctcacacctg	taatcccagc	actttgggaa	gctgaggcga	caggattctt	tgagccccgg	600
aatttgagac	caacctgctt	gggccacctt	aacctatttc	atcaatcaat	cataatcgag	660
ggaggggagg	gattggagcc	ctcattatta	ggagctgagg	ggggggccac	tggacccccg	720
ggtttggtt	gccgggcccc	tattggcccc	gacctgggga	aaaaacgaaa	accagcctcc	780
gcagaactcg	ccaaaaaatg	gggcgggcgt	tgaaaacaaa	ttttaaccgg	gcggggccat	839

<210> 325

<211> 677

<212> DNA

<213> Homo sapiens

<400> 325

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cttttgtttc	acctgcatca	tctttaagtt	ttcttgatct	gagttttctg	cttttctgta	180
acagtgtatc	tattggaaaa	caataacaga	aatctcataa	tcctaaaatg	ttaagcattt	240
tgctaataat	acacagagta	tgtgaactaa	cagaagggct	agattttgtt	tatcttgtac	300
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agttggctga	gcatgggtgg	tcacagctgt	aatctcagca	ctttgggagg	ccaacatggg	480
cacatcactt	gaggtcagta	gtttgagacc	agcctggcca	aaatggagaa	accccatctc	540
aactaataat	aaaaaaaaat	agctgggcat	ggtggcacac	gtcctgtagt	cccacctacc	600
tgggaggctg	atgcaggaga	atccattgaa	cccagagagg	ggaggttgca	gtgagccaag	660
atcgcaccac	tccactc					677

<210> 326

<211> 517
 <212> DNA
 <213> Homo sapiens

<400> 326
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 aaacaagccg ggtggctgag ccaggctgtg cacggagcgc ctgacggggc caacaggccc 180
 atgctgcac cagagacctc ccctggccgg gggcatctcc tggctgtgct cctggccctc 240
 cttggcaccc cctgggcaga ggtgtggcca cccagctgc aggagcaggc tccgatggcc 300
 ggagccctga acaggaagga gagtttcttg ctccctctcc tgcacaaccg cctgcgcagc 360
 tgggtccagc cccctgcggc tgacatgcgg aggctggact ggagtgcag cctggcccag 420
 ctggctcaag ccagggcagc cctctgtgga atcccaaccg cgagcctggc gtccggcctg 480
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<210> 327
 <211> 992
 <212> DNA
 <213> Homo sapiens

<400> 327
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 ttggggccag aagaagagtc agttgataaa agctaaagta tttttagatc ctgattaaag 180
 aagaaggtaa tgggttgact tgagagagaa tgagcgttct gttatgggaa tgctcatatg 240
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 ttcttgcttt gtgtgggagg gtgaactaga tgccttttaa aaaaatttcc ccccccacaga 360
 cttgttttag atattttact gcttcagaga gggctcatgt cacaccattc tccccttttg 420
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 gttgctgaat gactggaaac ttgtgtttct tttccattaa gggctatttg ctgacttctg 600
 aaatattgat gatttatttg actttagaat tttgcatact gaggggaaag catcttaatg 660
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 aggggtggctc tgagatattg aaagattgca tgggtggcct gtcacccca ccactttgga 780
 aagctgagggc cgggtgcac atttggggct taggagtttg ggaccacccc tggggcacca 840
 cgcggcacc cctcctctgc taaaaatccg gaaatttgcc cggggcgggg gggggatgcc 900
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 tcgccccgc gcaacaatat atctatccgc cc 992

<210> 328
 <211> 894
 <212> DNA
 <213> Homo sapiens

<400> 328
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 cctagaggtc tacttgatct cttccctcac ttcatcaga tctgtgctga actgttaccc 240
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 agctagtcag gcatgagcag ggcagaagag ggctccctc cctcaacaca caccaggaat 360
 gacaggcaaa catcagggtg tggtcaggca gctgctaact gtttctctaa aatattaatt 420

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ggttgacagcc tgcaccaggg aaaggcagtc tccatatata cagaagcacc tgaagctggt 480
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caagtgtctg gaggtactg tgtgtgcaga cagcctgccc caagggaaga atcatgggag 720
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ccgtgcattt gtcttttcaa gttgccact ttgccctctt ccaagtgtac cttccttccc 840
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<210> 329
<211> 423
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(423)
<223> n = a,t,c or g

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ctttatggca ggatgctggg actccggccc tacattcaca aacagagcaa gcacattttc 180
ctcoggatga tctatgaatt ctagcacttc aatggggggg ctgaactgct ggagaacct 240
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cgctgtctga tccccctgca ctctgtcaag gcgctgtctg tcttccatgc ccagctggca 360
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ctn 423

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<210> 330
<211> 18819
<212> DNA
<213> Homo sapiens

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<400> 330
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taccagtat ctgatgactc catcctctct tcagatagtt caagtttctg tagcacgtgc 180
agtgaagact ttacatatag aagctacaca tctgcaacaa ctaaaacatt tcaggcagaa 240
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atctctaaac ataaatataa taaaaccaac ttgctatatt cataccctaa gctcagaagt 420
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18819

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<212> DNA
<213> Homo sapiens

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<222> (1)...(832)
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gcagtgaagg tatggcccag acttataatt taaggagaac ttactctcta caaatgtgga 660
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<210> 332
<211> 532
<212> DNA
<213> Homo sapiens

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<221> misc_feature
<222> (1)...(532)
<223> n = a,t,c or g

<400> 332
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ccttattttc tatgctgaat tgagaaggaa gatcagcttc gtcattggac gatactctag 180
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<210> 333
<211> 1020

<212> DNA

<213> Homo sapiens

<400> 333

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cctatagtca	tcagtatttg	cttatgcatt	tcttcatttg	aaaccaaaaa	taacatttca	240
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gtttttgtaa	ttttttgaat	aaagtcacat	ttgtaagagg	tctcctctac	aaactgcccc	360
atataacaca	ccaaagggtg	aagtaagaca	cacacatggg	ccgactggt	tgacttcaat	420
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<210> 334

<211> 408

<212> DNA

<213> Homo sapiens

<400> 334

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gcacctttcc	atttccacca	cccctcaacc	ttcctacaag	gctgtacat	cacccgccta	360
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<210> 335

<211> 912

<212> DNA

<213> Homo sapiens

<400> 335

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<210> 336
 <211> 345
 <212> DNA
 <213> Homo sapiens

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gaaggcgtg	atggacgaga	ccatgaagga	gatgaaggcc	tacaaatcgg	atctggagga	300
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<210> 337
 <211> 2527
 <212> DNA
 <213> Homo sapiens

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<210> 338
 <211> 908
 <212> DNA
 <213> Homo sapiens

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<210> 339
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 339						
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ctgtttatta	ttgtaaaatt	taatgaatta	ta			332

<210> 340
 <211> 385
 <212> DNA
 <213> Homo sapiens

<400> 340
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 catgcccagc ccctctggcc tgtggcgcat cctcctgctg gtgctgggct cagtgetgtc 180
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<210> 341
 <211> 733
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(733)
 <223> n = a,t,c or g

<400> 341
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 <212> DNA
 <213> Homo sapiens

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<210> 348
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<210> 350

<211> 577

<212> DNA

<213> Homo sapiens

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<210> 351

<211> 1050

<212> DNA

<213> Homo sapiens

<400> 351

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 <212> DNA
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 <212> DNA
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<211> 409
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 <213> Homo sapiens

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 <211> 1449
 <212> DNA
 <213> Homo sapiens

<400> 355
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 <211> 403
 <212> DNA
 <213> Homo sapiens

<400> 356
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<210> 357
<211> 794
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1) ... (794)
<223> n = a,t,c or g

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<210> 358
<211> 4341
<212> DNA
<213> Homo sapiens

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 <211> 652
 <212> DNA
 <213> Homo sapiens

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<210> 360
 <211> 681
 <212> DNA
 <213> Homo sapiens

<400> 360
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 aataccagca ctttgagagg ccaaggcagg catatcacct gaggtcaaga gtttgagacc 540
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<210> 361
 <211> 1221
 <212> DNA
 <213> Homo sapiens

<400> 361
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<210> 362
<211> 684
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1) ... (684)
<223> n = a,t,c or g

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<210> 363
<211> 933
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1) ... (933)
<223> n = a,t,c or g

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<210> 364
 <211> 777
 <212> DNA
 <213> Homo sapiens

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 <222> (1)...(777)
 <223> n = a,t,c or g

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<210> 365
 <211> 1157
 <212> DNA
 <213> Homo sapiens

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tatttttatt ggcttccttt agatttaaaag aacatgtaca gaataatttg cctagagatc 360
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<210> 366

<211> 1158

<212> DNA

<213> Homo sapiens

<400> 366

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<210> 367

<211> 963

<212> DNA

<213> Homo sapiens

<400> 367

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<210> 368
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 <212> DNA
 <213> Homo sapiens

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<210> 369
 <211> 794
 <212> DNA
 <213> Homo sapiens

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 <222> (1)...(794)
 <223> n = a,t,c or g

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<210> 370
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 <212> DNA
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 <212> DNA
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<210> 372

<211> 538

<212> DNA

<213> Homo sapiens

<400> 372

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<210> 373

<211> 1209

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1209)

<223> n = a,t,c or g

<400> 373

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gcgcgcgcc						1209

<210> 374
 <211> 1083
 <212> DNA
 <213> Homo sapiens

<400> 374						
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<210> 375
 <211> 710
 <212> DNA
 <213> Homo sapiens

<400> 375						
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<210> 376
 <211> 374
 <212> DNA
 <213> Homo sapiens

<400> 376						
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<210> 377
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 377						
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<210> 378
 <211> 638
 <212> DNA
 <213> Homo sapiens

<400> 378						
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638

<210> 379
<211> 3043
<212> DNA
<213> Homo sapiens

<400> 379
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ccgtctcata aaaaaaaaaa gaaaaaaaaa aagggggccc gttcaagtaa aaaggccctt 2940
ttaaaccggg ttaatcaccg tcgagggggc ctttttagtg gccacccttt ggtgggtggg 3000
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<210> 380
<211> 497
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(497)
<223> n = a,t,c or g

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gtctcacatg gactgctgga gactcaacgg gacctggcc gtctccagag ccatcggtga 180
gagccaaaga ggccgaccca agtgggagaa ggtctctcgg aagcccagge ctcgagtgtg 240
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cactgggggtg ataccctcgt agtgtgaagg gaacagggca gattcagaga ctgcagcacc 360
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agatgaggtt taccctg 497

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<210> 381
<211> 777
<212> DNA
<213> Homo sapiens

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<400> 381
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gaaaagatct gctgaaatag agcaaatcag aaaccaagta gtgtaaggca ttaggagata 180
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tcgtagttga cgtgggctcc atgcctaaag ccgtaggggg tccggggacc aattgcagag 300
tcttcatcat agtgacgttg gtagtaatcg ccatagtatt catgtccatt tcgatctctg 360
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gcggggggagg cagccatggc ggcgggggcg gagcaggagg gcgagggggc cacttcgagg 720
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<210> 382
<211> 659
<212> DNA
<213> Homo sapiens

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<400> 382
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<210> 383
<211> 392
<212> DNA
<213> Homo sapiens

<400> 383
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catctctaga attgaattta tttgtttgtg tgtttgtgtt tttttcaggg tgatttgggt 180
acctgtggaa ttttatctgg aaacaaaaat tttgaaggct gtctttgtga ttgtgttcgt 240
gccaattatc ttgcctctcc acccttagtg gtagcttatg ccatagcagg cacagtgaat 300
atagatttcc agacagaacc tttaggatc ttttccttta tgtatatgta tacctacaca 360
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<210> 384
<211> 853
<212> DNA
<213> Homo sapiens

<400> 384
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ttgagaccag gcctgggcaa tataatggga ccctattgct acaaagaaaa aaaaaggcgg 720
ggcgttttta gaaccccaat ttgcgcccgc ggcagccaat gtacctcttt ttatgggcca 780
caaaaccatc tcccggggcg ggtttaaaac gcgcgattgg gaaacccctt gctgccccat 840
tatactctct tcc 853

<210> 385
<211> 965

<212> DNA

<213> Homo sapiens

<400> 385

actgacttgt	ggccttcact	gtggagcagt	tagtatcttt	atgtctttgc	tggaactggt	60
aattttttcc	agagaaaact	ctagtctcct	gactgaaggg	tatgggtgta	aaaccatctt	120
catctaaaat	gaagtaagca	ttttagagct	aaattagaga	agggataatt	ccccattttt	180
cattccatgc	ctcactctgt	ccttctttat	gccaatgtc	cctgaatcca	gaatttctct	240
ggcttaagt	gttttagtct	ttgttgaggg	ggagaaggaa	tagttgcctg	attgcattga	300
agggatatca	ttcagtaatg	attttccatc	tgccccctcat	cccttcctct	gttacctcct	360
gtcactgagt	cttttagagt	ccacagagaa	aatctgcttg	tatctagtct	ctgaaaactt	420
tcaggtttgg	ccttctttct	ctctgttaaa	ccttgctgcc	atctgctttc	tgtttttgca	480
tattatgatg	tctccccatt	ccagtgaaca	tggagttttt	gtatctgttt	cttgttggat	540
tggagtgggt	ttaagatata	gagggagaag	acatgtcttt	atgctgctgt	cttcaaactt	600
agcagtagct	cttaatgagc	acatattctg	ggtgactccg	agagaacaac	ttcgttcgaa	660
caatttttgt	catggggcgg	ttctcagcca	ctgaaacccc	actagaaagg	aattaatata	720
tatacttgag	cagacattgg	cctaaggttt	gcccttcttg	gggtaatagg	caatattaca	780
ggtccgttcc	cggggacggg	gagcgccctc	cgggacccac	aagacccctc	gaattctggc	840
cgcgttggcg	gggcggtaaa	cgagactccc	tcgtcccttc	cctcagattg	gggacacgcc	900
ctttcccagg	tctgcgcccc	ctcgggtgtg	aggggggggg	gcgccccccc	ccccccccgc	960
ccccg						965

<210> 386

<211> 422

<212> DNA

<213> Homo sapiens

<400> 386

cgtgcgggtg	aattccctgg	gttggcatgt	acattctatg	gaggacagac	acacagacat	60
gccaatcccc	acaggaagga	caggaacacc	acgcagagag	tgtgaatgcc	ttgcttcatg	120
cctaaccag	gggctgtcct	gggtctaccc	ccctggttgc	tttccacca	gagactcacc	180
cacaccagg	cgtacttgaa	ctggctggcg	agtgaccggt	ggatgcggcg	gcactggagg	240
acaggagaga	gtcaggtaga	gaggtcttcc	aggccctggt	gggagaccca	acacctcagc	300
ccagcgtccc	tggggcggag	gccggcgcca	ggcctgcagg	aacacttctt	tgacacagat	360
gggaagggtg	ctgactctgg	tctgcagatg	ggtttttggt	tactcagctt	gcccagcatt	420
gc						422

<210> 387

<211> 435

<212> DNA

<213> Homo sapiens

<400> 387

tgcggaattc	ggcacgagaa	agtattgagt	taatgtgttc	agatgaattt	gggcctttgg	60
agcaaaaaca	attatccatt	ctcaaactga	tgaaattagt	gccatgcttt	gtaatttggc	120
cctcaaaacta	cttaactgtg	tatctgcctg	gaatatgaat	ataagactga	aatgtctgtt	180
aaaacccaaa	aatgtctcca	aagtctgttc	ccggggcctt	tatttcatat	atgttatgga	240
ctctctttaa	ttcagccata	gatggcaagc	catttggttag	aaattatggc	caggtgcagc	300
tgctcacgcc	tatagtccca	gcactttggg	aggctgtggc	gggcagatca	cctgaggtcg	360
ggagtttgag	accagcctgg	ccaacatgat	gagaccttgt	ctctacaaaa	aaaaaaataa	420
aaaaattagc	tgggg					435

<210> 388
 <211> 473
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(473)
 <223> n = a,t,c or g

<400> 388
 tcccagggca gagacactaa atcaactgaa ggcgatgccca ggggtcatgc caagtgcctg 60
 aactctggct tctccatcat ctgtgaggcc ccaacacccat gccctgcgta atataaggctc 120
 gtggccagcg cctcctcctc ctcccagccc tgaggaaacca tccttgctct caaggtggaa 180
 gagctcggcc ctccagtcctc tgcagcctgg gatgagcccc accctcaggg ctggtgcaca 240
 accagaggct cttcccaagg aagcctgggtg ccagaaaacc cacacactga ggcacaggcc 300
 aaacacagag cctgggaaca cccaggagag catgtccccc aggggtcccag ccccaaccga 360
 agatgggaga gcccaaaaacc tcccgccacc cagtcctcct tnnngcccccac gaaatcgctg 420
 ncccggggnt tccgnggang gngtccaatc gaacggcttc aatggagcca cac 473

<210> 389
 <211> 376
 <212> DNA
 <213> Homo sapiens

<400> 389
 agggctctga ctgccagcga ctgctctggg ggtgtctgcg atcaaggacg atcctgggta 60
 tgggggaggg ccaggcacca tgaagccagt gtgggtcgcc acccttctgt ggatgctact 120
 gctgggtgcc aggctggggg ccgcccggaa ggggtcccca gaagaggcct ccttctacta 180
 tggaaccttc cctcttgagg gacatcattc tgctgaggga actgcacgtc aaccactacc 240
 gattctccct gtcttgggcc cggtcctgc ccacaggcat ccgagccgag caggtgaaca 300
 agaagggaaat cgaattctac agtgatctta tcgatgccct tctgagcagc aacatcactc 360
 ccacgtgac cttgca 376

<210> 390
 <211> 906
 <212> DNA
 <213> Homo sapiens

<400> 390
 tacctttgct tcttaacacg ggacttgggc actcctgaat gccagacctc cttgccctgc 60
 ctcaaagcat ccattctcagc gtcgattctt accactcaga atggagagca caatgccctt 120
 gaagatctgg tgatgaggtt taatgaggtg agctcctggg tgacatggct gatcctcacg 180
 gcaggctcca tggaggagaa gcgagaagtc ttttcatatt tgggtgatgt ggccaaatgc 240
 tgctggaaca tgggcaacta caacgctgtc atggagttct tggctggcct caggtcaaga 300
 aaagttttta aaatgtggca gttcatggac cagtctgata ttgagaccat gaggagcctg 360
 aaggatgcta tggcccagca tgagtctctt tgtgagtaca gaaagggtgg gacacgtgcc 420
 ctgcacatcc ctggctgtaa ggtggttcca ttctgtgggg tgtttctgaa ggagctctgt 480
 gaagtgtctg acggcgccctc oggtctcatg aagctttgcc cgcggtacaa tcccaagaa 540
 gaaacttttag agttttagtc agattacagt ggacaagata atttcttaca acgagtggga 600

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caaaatggct taaagaattc gcgagaagga gtccactgtc aacagcatct ttcaggtcat 660
cccgagctgc aatcgaagtc tggagacaga cgaggaggac cgccccatt gatggaaaca 720
gttttcagga aaagcctcct tgaaggataa aagccggagg gcagcttata tattgcaatt 780
tggtcggatt ccccccgca ctcccttgga cactccagag aatcctcact tttctggttt 840
gcaatgacct cacaaagggc ccttcccccc tgggcccggg tcgtcatcc cctgaaccct 900
cgcttc 906

```

```

<210> 391
<211> 680
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(680)
<223> n = a,t,c or g

```

```

<400> 391
ggcacgaggg ctacagcacg gtctgttttt ccttttagtca ggaaggacgt tgggtgttgag 60
gttagcatac gtatcaagga cagtaactac catggctccc gaagttttgc caaacctcg 120
gatgcgtggc cttctggcca ggcgtctgcg aaatcatatg gctgtagcat tcgtgctatc 180
cctgggggtt gcagctttgt ataagtttcg tgtggctgat caaagaaaga aggcatacgc 240
agatttctac agaaactacg atgtcatgaa agattttgag gagatgagga aggctggtat 300
ctttcagagt gtaaagtaat cttggaatat aaagaatttc ttcaggttga attacctaga 360
agtttgtcac tgacttgtgt tcctgaacta tgacacatga atatgtgggc taagaaatag 420
ttcctcttga taaataaaca attaacaat acttttggac agtaagtctt tctcagttcc 480
taatgataat gcagggcact tactagcata agaattgggt tgggatttaa ctgtttatga 540
agttacttga nttccgtgtt ttgttaaatt tcaatggctc tagacatcct taactgtgan 600
agttgtccgt tcantgcagt acttggcctg ggnatggatt aaagtgtccc atggccngta 660
agacactgtg cgggggcccc 680

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<210> 392
<211> 1983
<212> DNA
<213> Homo sapiens

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<400> 392
ggcacgaggg catggcggag aaggatgaca ccggagtttg acgaagaggt ggttttttgag 60
aattctccac tttaaccaata cttacaggat ctgggacaca cagactttga aatatgttct 120
tctttgtcac caaaaacaga aaaatgcaca acagagggac aacaaaagcc tcctacaaga 180
gtcctaccaa aacaaggtat cctgttaaaa gtggctgaaa ccatcaaaag ttggattttt 240
ttttctcagt gcaataagaa agatgactta cttcacaagt tggatattgg attccgactc 300
gactcattac ataccatcct gcaacaggaa gtccgtgttac aagaggatgt ggagctgatt 360
gagctacttg atcccagtat cctgtctgca gggcaatctc aacaacagga aaatggacac 420
cttccaacac tttgctccct ggcaaccct aatatttggg atctctcaat gctatttgcc 480
ttcattagct tgcctgttat gcttcccact tgggtggattg tgtcttctg gctgggtatgg 540
ggagtgatcc tatttgtgta tctggtcata agagctttga gattatggag gacagccaaa 600
ctacaagtga ccctaataaaa atacagcgtt catttggaag atatggccac aaacagccga 660
gcttttacta acctcgtgag aaaagcttta cgtctcattc aagaaaccga agtgatttcc 720
agaggattta cacttttgcg tgacagggtc agtgctgctt gccattttaa taaagctgga 780
cagcatccaa gtcagcatct catcggactt cggaaagctg tctaccgaac tctaagagcc 840
agcttccaag cagcaaggct agctacccta tatatgctga aaaactaccc cctgaactct 900
gagagtgaca atgtgaccaa ctacatctgt gtggtgcctt ttaaagagct gggccttggg 960

```



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cttagtgaag agcagatttc agaagaggaa gcacataaac tttacagatg gcttcagcct 1020
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gtagcccta ttactttcta cagccaatc acctcctggg ccttactta cccagcact 1140
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tttggaagag cttaagcgca gctatgagtt ctatcggtac tttgaaactc agcaccagtc 1260
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agcagtgcgt agcttgcagc tccatctgaa agcattactg aatgaggtaa taattcttga 1380
agatgaactt gaaaagcttg tttgtactaa agaaacacaa gaactagtgt cagaggctta 1440
tcccatccta gaacagaaat taaagttgat tcagcccccac gttcaagcaa gcaacaattg 1500
ctgggaagag gccatttctc aggtcgacaa actgctacga agaaatacag ataaaaaagg 1560
caagcctgaa atagcatgtg aaaaccacaa ttgtacagta gtaccttga agcagcctac 1620
tctacacatt gcagacaaag atccaatccc agaggagcag gaattagaag cttatgtaga 1680
tgatatagat attgatagtg atttcagaaa ggatgatttt tattacttgt ctcaagaaga 1740
caaagagaga cagaagcgtg agcatgaaga atccaagagg gtgctccaag aattaaaatc 1800
tgtgctggga tttaaagctt cagaggcaga aaggcagaag tgggaagcaac ttctatttag 1860
tgatcatggt aagcactgac tttaaagtaa caggttatct caatgtaggg gattctttct 1920
ttcttgaacc atgaatgtta ttttagctga agaattcttg ggggtttata agggctccacc 1980
agg

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<210> 393
 <211> 859
 <212> DNA
 <213> Homo sapiens

```

<400> 393
ggcccttcgc ccttgggcca aatctttttt tggttttttt tccctttggc ccccccctttt 60
tccaacctaa agccctaaag ggtgggttca aatcaacctt tttctttaaa cccttcgggg 120
gttttttttt gccccaagtg gaaaaaattt tttttttgaa ttgttaaaaa caaaaaactt 180
gattttttgcc cttttttttt ttggcatttc acttgtggct tgccttatgt tcttaatttc 240
tcctaagaga ttgtaaaact atgagagatc tggcctagtg ttcttaactt ttaatcccca 300
aagtgcctttg tacacagtat ggctcaatac atgcatttat atggcacagg aaaaatgtac 360
ttaagatgtt ggggtggctt taccaacata gcatgtcatt actgactcat cgatgctcac 420
tggaagagct tgctcccaga gccatgtccc caggactctc tactaggtag ccaccaaact 480
gccaaagacc ctatcctatg caagtcacat aaattgtctg ttgttagaaa ttctttcttt 540
ttttcttttt ttgagatcga gtctcactct gttgccaggg ctggagtgcg gtggtgtgaa 600
cttggctcac tgcactacct ccgcctcctg ggtttaggca attttctgc ctcagcctcc 660
caagtagctg ggattacagg tgcgtgccac catgcctggc taatttttgt atttgtagta 720
gagacggggt ttcaccatgc tggccaggct ggtcttgaac tcctgacctc gtgatccgtc 780
ctcctcgggc tcccaaagtg ctgggattac aggggtgagc caccatggcc gggcgggagc 840
catgtctgac acagactcc
859

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<210> 394
 <211> 1407
 <212> DNA
 <213> Homo sapiens

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<400> 394
accaaataac caaggaaaag gaagtgagtt aaggacgtac tegtcttggt gagagcgtga 60
gctgctgaga tttgggagtc tgcgctaggc ccgcttggag ttctgagccg atggaagagt 120
tcactcatgt ttgcacccgc ggtgatgcgt gcttttcgca agaacaagac totcggtat 180
ggagtcccca tgttgttgct gattgttggg ggttcttttg gtcttcgtga gttttctcaa 240
atccgatatg atgctgtgaa gagtaaaatg gatcctgagc ttgaaaaaaa actgaaagag 300
aataaaatat ctttagagtc ggaatatgag aaaatcaaag actccaagtt tgatgactgg 360

```

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aagaatattc gaggacccag gccttgggga gaccccgacc tcctccaagg aagaaatcca 420
gaaagcctta agactaagac aacttgactc tgcctgattct tttttccttt tttttttttt 480
taaaaaaaaa tactattaac tggacttccct aatatatact tctatcaagg ggaaaggaaa 540
ttccaggccc atggaaactt ggatatgggt aatttgatga caaaaaatct tcactaaagg 600
tcatgtacag gtttttatac ttcccagcta ttccatctgt ggatgaaagt aacaatgttg 660
gccacgtata ttttacacct cgaaataaaa aatgtgaata ctgctccaaa aacagagtca 720
cgtattccac tctccaacta cccacatatt ccttttgcaa tagccattag ggcatcattt 780
tgatatttca ttctgatttc tgattctctg atttctgatt cctaagagg acagtaggtc 840
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ccacgttagc caggatggtc tccatcg 1407

```

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<210> 395
<211> 319
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(319)
<223> n = a,t,c or g

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<400> 395
caagaagcca ggtattctga aggtgaaaga taccagagat tctcaaagat gcgagttttc 60
tgtgtgggac tactcctttt cagtgtgacc tgggcagcac caacatttca accacagact 120
gagaaaacta agcaaagctg tgtggaagag cagaggcagg aagaaaaaaa caaagacaat 180
attggttttc accatttggg caagagaata aatcaagagc tatcatctaa agaaaatatt 240
gtccaggaaa gaaagaaaga tttgtccctt tctgaagcca gtgagaataa gggaagtagt 300
aaatctcaaa attatttcn 319

```

```

<210> 396
<211> 2704
<212> DNA
<213> Homo sapiens

```

```

<400> 396
gaatattctc taattcttgg tgtatcaaga tggaaactgg taggcttggg atagatgtcc 60
ctttaaaagg ctccactaac aatacaagaa tattttttcc atacgcagtg acgtgggtgg 120
gtcatgggtg tctcaatgac agtaacgttc ccgaaccccg gaccttagct gtcatttcac 180
ctgcgtcgtc ccggacgcca tttggctgtt gacgtggttc cgagccagca aataacgcca 240
gcagccctcc cagatccacg ccggcccgtc tctccgcccg cccctcctc gcagtggttt 300
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ccgtctcctc tgggtggccc cagtgcgcgg gctgacactc attcagccgg ggaaggtagg 420
gcgagtagag gctgggtgcg aacttgccgc cccagcagc gccggcgggc taagcccagg 480
gccgggcaga caaaagaggc cgcccgctg ggaaggcac gccggcgggc gcggagcgca 540
gcgatggccg ggcgaggggg cagcgcgctg ctggctctgt gcggggcact ggctgcctgc 600

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gggtggctcc tgggcgcgca agcccaggag cccggggcgc ccgcggcggg catgaggcgg 660
cgccggcggc tgcagcaaga ggacggcatc tccttcgagt accaccgcta ccccgagctg 720
cgcgaggcgc tcgtgtccgt gtggctgcag tgcaccgcca tcagcaggat ttacacggtg 780
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ttctagttag ctgcttttaa tctatctata taatgtagta tgatgtaatg tggctctttt 2040
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tcaactttcc ttaaaataaa tagcctctta ggtaaaaata taagaacttg atatatttca 2160
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aagtaatttt gccatcctag gcttaaatgc aatattcctg gtattattta caatgcagaa 2280
ttttttgagt aattctagct ttcaaaaatt agtgaagttc ttttactgta attggtgaca 2340
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ctactgcaag acttaaatag ttcagtataa attgtcgttt ttttcttgtg ctgactaact 2460
ataagcatga tcttgtaaat gcatttttga tgggaagaaa aggtacatgt ttacaaagag 2520
gttttatgaa aagaataaaa attgacttct tgccttgta ttagaggagca atactattat 2580
attatgtagt ccgttaaac tacttaaaag tttaggggtt tctcttggtt gtagagtggc 2640
ccagaattgc attctgaatg aataaagggt aaaaaaaat cccagtgca tgttaaaaaa 2700
aaaa
2704

```

<210> 397
 <211> 1743
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1743)
 <223> n = a,t,c or g

```

<400> 397
tttttttttt ttggagtcca ttagaccttt tttattattc taccttttct gcatatgttt 60
gcagttttcc caccgactcc tccataaaca aacattttcc tagaaacca aaatatgtag 120
tggcccaaaa ggagctcctt aagccaaagt acttggtaca aagagacca tattcctata 180
aacatgttaa gtttgttcct aagcattcca gactttttaga ataagaactt catttccaac 240
ttttttattt attaacatgg ggctaaactt ttaagaaaca accctagggtc ttctatttcc 300
caggagctgg ttcaaagtct taaatgacaa tataacttca ttatgaaaat atactgaaaa 360
ggtacaaggg gctgatgtaa aaacgggtta tcaagggttc ccaggcatcc atggggactt 420
aagggttaacc tgaaagaata acccccagcc caggctgcaa ccagccaggc caggatgtgc 480

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tggttnacg	tngatgaggt	gctaaggccc	atcgaatgcc	tcagaggaaa	gccggattca	540
cgggggatca	tctcaaccct	gaggaaatcg	gttccttggg	gggtgatttc	ttgccctttt	600
ttttgttttt	gtaaggaaga	gggttccctt	cattccagta	acttttagttt	tccottaata	660
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<212> DNA

<213> Homo sapiens

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 <211> 554
 <212> DNA
 <213> Homo sapiens

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<211> 538
<212> DNA
<213> Homo sapiens

<400> 405
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<400> 407

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<212> DNA

<213> Homo sapiens

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<211> 1882

<212> DNA

<213> Homo sapiens

<400> 410

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<211> 432

<212> DNA

<213> Homo sapiens

<400> 415

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 <213> Homo sapiens

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<210> 418

<211> 1909

<212> DNA

<213> Homo sapiens

<400> 418

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<211> 4326

<212> DNA

<213> Homo sapiens

<400> 419

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<211> 2815

<212> DNA

<213> Homo sapiens

<400> 420

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<210> 421

<211> 735

<212> DNA

<213> Homo sapiens

<400> 421

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<211> 2168

<212> DNA

<213> Homo sapiens

<400> 422

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<210> 423

<211> 2013

<212> DNA

<213> Homo sapiens

<400> 423

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<211> 985

<212> DNA

<213> Homo sapiens

<400> 424

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<210> 425

<211> 948

<212> DNA

<213> Homo sapiens

<400> 425

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<211> 715

<212> DNA

<213> Homo sapiens

<400> 426

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<210> 427

<211> 531

<212> DNA

<213> Homo sapiens

<400> 427

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<211> 5826
<212> DNA
<213> Homo sapiens

<400> 428
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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<400> 438

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<211> 1983

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 2516

<212> DNA

<213> Homo sapiens

<400> 445

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<211> 1063

<212> DNA

<213> Homo sapiens

<400> 446

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<211> 1610

<212> DNA

<213> Homo sapiens

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 <212> DNA
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<210> 453
 <211> 752
 <212> DNA
 <213> Homo sapiens

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 <223> n = a, t, c or g

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<210> 454
<211> 765
<212> DNA
<213> Homo sapiens

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<210> 455
<211> 1322
<212> DNA
<213> Homo sapiens

<400> 455
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1322

<210> 456
<211> 1777
<212> DNA
<213> Homo sapiens

<400> 456

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<210> 457
<211> 1322
<212> DNA
<213> Homo sapiens

<400> 457

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<210> 458

<211> 1842

<212> DNA

<213> Homo sapiens

<400> 458

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<210> 459
 <211> 734
 <212> DNA
 <213> Homo sapiens

<400> 459
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 <212> DNA
 <213> Homo sapiens

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 agggcgaggg tgacatacag cgtttccagc gggactttgt gtccgcctg tggctcacat 420
 accgcgggga cttcccgccc cttcctgggg gctgcctgac ctccgactgt ggctgggggt 480
 gcatgttacg cagcggccag atgatgctgg cacagggcct tctgctgcat ttcctgccc 540
 gagactggac atgggcccag ggcattgggc tgggcccccc tgagctgtca gggtcagcct 600
 ctcccagccg gtaccatggg 620

<210> 461
 <211> 1477
 <212> DNA
 <213> Homo sapiens

<400> 461
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 tttgtgttct tagttcttta gggagaacta agaacttctc cctatttgac ataaaaaag 180
 aaggtaaaac tctatctctg gaattcgtca tattccaaat attgtcccat gtagcttcta 240
 ctcattggtg ctctgtttga taaggaaatgt acattttcaa tgattccaga tatatcgga 300
 aaattatggc ttttcacatt tctagacatt tcttctttct tacttgggtc cctaattatt 360
 aggttccaag acaagtcaac taaaagagaa atttgaaaga gtcagatggt ttatataact 420
 cttaaaatcc gtattggtgg attaagccat tcctgatatt ggaccttatt gtcttcaccc 480

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gcacaatgag agtggagtag aatgcactat tgaaagtctc cttgtatcct gaaattctgt 540
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aggggggaaa acaagtatta tttagggtcac atgtttggag agatggaaag tcttaattta 660
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<210> 462
 <211> 458
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(458)
 <223> n = a,t,c or g

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<400> 462
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ctcttcgcct gtgtgcccc caccgagtag tgccacggct gggcctgctt tgggtgtctcc 180
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cctggtaaca ccctgggaga ctttgggtgg gtaggatctc agatgagcca ggcaggggca 360
acacaggatc ctgccgaaat gagacacgtt cgccagcaag gtggcgggcg tgcaggacca 420
gtgcgcccga gcgtccatcg ggaacgtgac ccgctccc 458

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<210> 463
 <211> 1280
 <212> DNA
 <213> Homo sapiens

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<400> 463
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tgggacatca ttttttaagg gtatgttgct tgggagcatt tcctgggttt tgataactat 180
gtttggccaa attcacattc gacacagagg tcagactcaa gaccacgagc accatcacct 240
tcgtccacct aacaggaacg atttcttaaa cacttcaaaa gtgatactct tggagctcag 300
taaaagtatt cgtgttttct gtatcatctt tggagaatcc gaagatgaga gttactgggc 360
tgtactgaaa gagacctgga ccaaactctg tgacaaagca gagctctacg atactaaaa 420
tgataatttg ttcaatatag aaagtaatga caggtgggta cagatgagga ccgcttacia 480
atacgtcttt gaaaagaatg gcgacaacta caactggttc ttccttgac ttcccactac 540

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gtttgctgtc	attgaaaatt	taaagtacot	tttgtttaca	agggatgcat	cccagccctt	600
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tgtcttaagc	agagagttga	tgaaaagact	taacagactt	ctcgataact	ctgagacctg	720
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aaaaccaatc	gcacagctta	ttgaagaggg	attgtctaata	aacctcagc	aagtagtaga	900
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aatgatgtat	ggcctgtacc	ggctcagggc	atttggaacac	tatttcaatg	acacactcgt	1020
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gtccaagagc	acttgaaatg	tggctagtcc	aaattctgat	acagtgtgta	tgtaaaatac	1140
gtacttcatt	caataattca	tatattatta	gaaaacagta	tgaagatgta	aaacatctca	1200
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atatactatt	aaaattaaaa					1280

<210> 464

<211> 2290

<212> DNA

<213> Homo sapiens

<400> 464

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tggtaggata	agcaccttgg	ttccaggcat	cacgccagtc	attttatttc	catcatcatc	180
cttgtgaaga	aatggaagtc	tggagagggtg	aaatgatgaa	ggcaatcttg	ccacaaatct	240
tccttctgga	tcctgctctt	cagggcatgc	atctcccatg	ctgaagggtta	aaatgggggt	300
catttgccaa	caaatttggg	agtcgccttc	tcctgaagg	ctgccatgcc	ctctagccgg	360
ttccgggttg	gaatattctg	ggcatagcac	atcccttcaa	tggccatccc	agatgcaatg	420
ttcacctccg	ttcctcggtc	aatggctact	ttgccagacc	gcacggcaat	gggggcctgg	480
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cgtcttagtc	ttccccaaaa	ccctgtgagt	tagttgcgtg	aacgtgggca	tgtgagaagg	1620
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cctaactgca	tccaagaagg	ctgctcctaa	tcaccaggtc	agtcacctga	gaaaatgate	1860
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tgcaaatctg	gctgggtgcca	gtattcctgc	ccaggcacct	ttgtgattag	ctcagccatt	1980
gacaaactat	ccctgaggct	cacctttttc	cgaacatgg	tcgataaatc	tgacttggac	2040
agaatgggaa	gactggacat	tgctctttga	cctccttggc	tcgtaacagc	aattgctttg	2100
aggttggtca	aatattccca	agaatgaagg	aagcagggtc	tgacagggtca	cagatactac	2160


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agcagctaata ggctgcacca ggaggggaag cagcttctgc ctgagcacc tctgtgctct 2220
gccttgctt agttttgctt ttggttggaa gccagaaca gtggctgact gcagaatgtc 2280
cagactcacc 2290

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<210> 465
<211> 754
<212> DNA
<213> Homo sapiens

```

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<400> 465
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cattttgggc tggtttggtg tgctagacta gaattaacaa agatgatttt tatgagagtg 120
cttatgcttt tgtgctgtat ggacagtttg gggctcttgg atacattcca gtggctatca 180
agagtattgt gtcctactga gaatttgatt tttgagttga atggatacga attaaatagt 240
acctggtttg gttggcttaa tacataatat tgaattttat tggctcacgt gaataaaact 300
gaacacttca tgattacatg atgggggaaac atgtgggggc tttgtctcta ttgaaatatt 360
tttcttacgg gtgcgattga attttattct aggcaagagt gccctactct atcttaatgg 420
aagtatggta ttcccagact ctgagggctg gcgtgaagct tacactatgt ggtatgggtg 480
atgggactag ccttatgcgg gaagtctcat tgctgggctc gccgtgggtt attttgcctc 540
aaccacaaga acgatacctt agttgaagga tgtcatacta agactcctta gcacagtgcg 600
aagccgacac tctctgggtt tgtttccgcc aagagaataa aagctggaag gcccatgggt 660
ggactgctgc tgggtgcgga cgttaaccct ccttcccccc ctttgggaacc cccccccaa 720
atttgaatta aagccccccc ccatattcgc cccc 754

```

```

<210> 466
<211> 718
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(718)
<223> n = a,t,c or g

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<400> 466
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ccctgggcct cagtgtgccc atctgtaaag gggcagctga cagtttgtgg catcttgcca 120
agggtccnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nctccatgtg cgtccatatt 180
taacatgtaa aaatgtcccc cccgctccgt cccccaacaa tgttgtacat ttcaaccatgg 240
ccccctcatc atagcaataa cattcccact gccaggggtt cttgagccag ccaggccctg 300
ccagtgggga aggaggccaa gcagtgcctg cctatgaaat ttcaactttt cctttcatac 360
gtctttatta cccaagtctt ctcccgtcca ttccagtcaa atctgggctc actcacccca 420
gcgagctctc aaatccctct ccaactgcct aaagcccttt gtgtaagggt tcttaatact 480
gtccnnnnnn nnnnnnaaac agggtttggg aaattccaaa taactatcca aagccctggg 540
ggccccctgg ttttggcccg gccctgggce tccaaatttc caagccccaa attttnnnnn 600
nnnnnnnnnn ttcccaaaat ggggggaaaa acctttgcat atggccgaat aaaccccacc 660
cggccccgaa aaaacnnnnn nnnnnnnnnn ncatctttgg cgtctctaaa cccaccg 718

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<210> 467
<211> 4710
<212> DNA

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<213> Homo sapiens

<400> 467

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catccctccc	agccagcaga	ttacaatgct	gcaaaactaag	gatctcatct	ggactttgtt	180
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gaagatcttt	cagaagctca	tgttcaagaa	tgcgccaaac	ccacaggagt	tccggggagg	540
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ctacctgcag	atccggggca	tcaagaaaac	agatgaaggc	acttatcgct	gtgagggcag	720
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<210> 468
 <211> 1277
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1277)
 <223> n = a,t,c or g

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<210> 469
 <211> 659
 <212> DNA
 <213> Homo sapiens

<400> 469
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 ctgccttgcc tgtccagtgg atgcaaatgc ctgttctcag ttttctgtct ttaactggga 300
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 aaaaatgggc cattgccacc tgagggaggg gcccttcgcc tttttttatc tagaggcac 659

<210> 470
 <211> 1103
 <212> DNA
 <213> Homo sapiens

<400> 470
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<210> 471
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 471

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gaaatgcgtg	gatacgatgg	cctatgagaa	aagagtgc	attacaaaaa	cattgggaaa	300
aatagcagag	aaatgtgatc	gctgagatgt	aaaaagtttt	taatgctagt	ttccaccatc	360
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<210> 472

<211> 829

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(829)

<223> n = a,t,c or g

<400> 472

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tggcttgtcc	cttatttgat	ttaaaaagtc	attatatggc	caggcgtggg	ggctcacgcc	420
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cgggggttga	aaaaaatttt	tttttggggc	ccaaatttaa	ttcccggccc	ggtttttaaac	780
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<210> 473

<211> 926

<212> DNA

<213> Homo sapiens

<400> 473

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acaagggtgtg	acaggaaccc	aaaacaagga	gcgaccaggg	tctgggctgg	gtcagcttcc	420
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<210> 474
 <211> 667
 <212> DNA
 <213> Homo sapiens

<400> 474						
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<210> 475
 <211> 1519
 <212> DNA
 <213> Homo sapiens

<400> 475						
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<210> 476
 <211> 628
 <212> DNA
 <213> Homo sapiens

<400> 476						
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ccacaaataa	acacagccac	gtacattcat	ttacatgggt	gcttttgcac	ttcaatggca	360
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<210> 477
 <211> 377
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(377)
 <223> n = a,t,c or g

<400> 477						
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<210> 478
 <211> 1247
 <212> DNA
 <213> Homo sapiens

<400> 478

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<210> 479

<211> 2070

<212> DNA

<213> Homo sapiens

<400> 479

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<210> 480
 <211> 4686
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<210> 488
 <211> 861
 <212> DNA
 <213> Homo sapiens

<400> 488						
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<210> 489
 <211> 848
 <212> DNA
 <213> Homo sapiens

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 <223> n = a,t,c or g

<400> 489						
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ccgagccc						848

<210> 490
 <211> 1621
 <212> DNA
 <213> Homo sapiens

<400> 490

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<210> 491
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 491

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<210> 492
 <211> 767
 <212> DNA
 <213> Homo sapiens

<400> 492
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<210> 493
 <211> 852
 <212> DNA
 <213> Homo sapiens

<400> 493
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<210> 494
 <211> 849
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(849)
 <223> n = a,t,c or g

<400> 494
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<210> 495
 <211> 950
 <212> DNA
 <213> Homo sapiens

<400> 495
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<210> 496
 <211> 838
 <212> DNA
 <213> Homo sapiens

<400> 496
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<210> 497

<211> 598

<212> DNA

<213> Homo sapiens

<400> 497

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<210> 498

<211> 1902

<212> DNA

<213> Homo sapiens

<400> 498

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<210> 499
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<212> DNA
<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<400> 502

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<210> 504
 <211> 4179
 <212> DNA
 <213> Homo sapiens

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4179

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<211> 2220
<212> DNA
<213> Homo sapiens

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<211> 2133

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

<400> 512

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<210> 513
 <211> 422
 <212> DNA
 <213> Homo sapiens

<400> 513						
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<210> 514
 <211> 1568
 <212> DNA
 <213> Homo sapiens

<400> 514						
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<210> 515
 <211> 857
 <212> DNA
 <213> Homo sapiens

<400> 515						
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<210> 516
 <211> 2133
 <212> DNA
 <213> Homo sapiens

<400> 516						
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<210> 517

<211> 1404

<212> DNA

<213> Homo sapiens

<400> 517

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<210> 518

<211> 698

<212> DNA
 <213> Homo sapiens

<400> 518

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<210> 519
 <211> 752
 <212> DNA
 <213> Homo sapiens

<400> 519

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<210> 520
 <211> 2533
 <212> DNA
 <213> Homo sapiens

<400> 520

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<210> 521
 <211> 545
 <212> DNA
 <213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<212> DNA
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<223> n = a,t,c or g

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<212> DNA

<213> Homo sapiens

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<210> 542

<211> 842

<212> DNA

<213> Homo sapiens

<400> 542

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ctgttggtgg	aagttctgtg	aatagctact	attcctctcc	agcccagcaa	gtgccccaaa	180
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gg						842

<210> 543

<211> 1100

<212> DNA

<213> Homo sapiens

<400> 543

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gataattttg	tttgatacat	tatcctttct	tatttagtga	catgtgccag	ttctctctca	180
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actatgccta	tacttcttca	tgctcgtctc	atcactggcc	tccgtacgat	gcgcttccc	1020
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<210> 544

<211> 939

<212> DNA

<213> Homo sapiens

<400> 544

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ggtgattgga	gccctgogga	gagctcaagc	gcccagctct	gcccagaggag	cccaggctgc	180
cccgtagtc	ccatagttgc	tgaggagtg	gagccatgag	ctgcgtcctg	ggtgggtgtca	240
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aagcccccta	caagaatggc	cggccctgct	ctgagtgcc	accagctat	ggaggcagct	900
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<210> 545
 <211> 1053
 <212> DNA
 <213> Homo sapiens

<400> 545						
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aactctgtgg	aagtggctag	ccttgccatc	cctctgatca	tggtgacttc	atcaggggtgc	300
gagaagcact	tgagcttggc	gtcgggtgagt	tccttaagcc	tcttttgctg	gtgttgacgc	360
tcattgccagt	tactatggga	gaatgaatgt	gagagaggtt	ctcagagagg	atggccacct	420
cagtgtaaat	ggggaagcgc	tgtgtaagta	tggtctcggt	ttcctgtggg	cgtcgggtcgt	480
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<210> 546
 <211> 715
 <212> DNA
 <213> Homo sapiens

<400> 546						
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tcctttatag	tgtgagtaga	aagtcttagc	atttttat	tttactcaac	aagaaattag	180
gctttacaaa	tatttgatgt	atggatggac	catgacatcc	acaatcagct	gcgtgttctg	240
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cattcattcc	cttgcagcct	ttgtgatgtt	tgattgcaat	ttgccacttc	tggtgaggcg	360
ggtacgcaga	atacattatc	cagcttaaac	tcaacaaacc	ctgtttcaac	aaactgaaga	420

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agtggcttaa aaagttttca tgaattaaaa gctaattaaa atctataatg aacaatatcc 480
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ttgttgaatc agccccagta agatgtgaaa aaaaaaacag actaatgata tctgacaaga 600
agtcggccca agaagttcaa aattatcaag gtcagggtgca ggggctcatg cttgtaatcc 660
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<210> 547
<211> 812
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(812)
<223> n = a,t,c or g

```

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<400> 547
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catagccttg tccatgatgc agatgtcatc atagggtcgag acatttatgt tttataagtt 240
cagcttctag attcgggggt gcctgtgcag gtttgtcact ggggtgtactg cagggcgccg 300
atgtttgcgg tacaggcggt cctgtcgccc agctcatgag cacagtcccc aacagttagt 360
ttttcagccc gtgtccctcc ccagtctgcc tagtatctca tgtcaccatc tttatgtcca 420
cttcacagaa atcagccacc gcacccctgtg ctcatacaac accaacattg aagagctctt 480
tgcagaaatc gatcagtgct tggccataaa tcgaagtgtt cttcagcagt tggaagaaaa 540
atgtggccat gagatcacag aagaggaatg ggagaaaatc caagtgcagg taggtttggc 600
tggcagcctg gcaaccagca gactcagctg cagctgcaga ggctgtgggg agtggcatgt 660
ggggggagggt cgaggactca ctttggggaa gccttaggag tgttcaggcc cgggggttgca 720
gccctgggag gttttggggg gttggcatnt tcggggggan gttcnaggat tcacttttgg 780
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<210> 548
<211> 578
<212> DNA
<213> Homo sapiens

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<400> 548
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tacttcattg tccagtgttt ctcccatttt actacactgg caaatgtgtt tatggaggaa 420
gataatccgg taagtgcagt acaagttttc cagtgcata gaacgatatg aaaaaatta 480
tgagttttaga aaagttgaac atggttagata gagttcaatg ttggaaacaa ggaaaactag 540
atcccccccc ccccttgggtg aagagtagag gccaccac 578

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<210> 549
<211> 428

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<212> DNA

<213> Homo sapiens

<400> 549

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acatacggac agtcacttat atctgtgcta gctccagggtg gagaaggcat ctggagggga	180
tcctcaagc tcagcaagct gagacaggaa actccttcca gctcccacat aaacgtgagt	240
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tttggggtgg acagatgccc actgaagagc tttggaagtc aaagaagcat tcagtgatgt	360
caagacaaga tttaaaact ttgtgttgca ctgatggctg ttccatgact gatttgagtg	420
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<210> 550

<211> 849

<212> DNA

<213> Homo sapiens

<400> 550

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gcctcttctc cctcctgacc caggtcacca ccgagccacc aacccagaag cccaagaaga	180
ttgtaaatgc caagaaagat gttgtgaaca caaagatgtt tgaggagctc aagagccgtc	240
tggacaccct ggcccaggag gtggccctgc tgaaggagca gcaggccctg cagacggtct	300
gcctgaaggg gaccaagggt cacatgaaat gctttctggc cttcaccag acgaagacct	360
tcacgaggg cagcagggac tgcactctgc gcgggggcac cctgagcacc cctcagactg	420
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tctggctggg cctcaacgac atggcgccgc agggcacctg ggtggacatg accggcgccc	540
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gggcctggag gagggcagga gccgcgggag gccgggagga ggggtgggac cttgcagccc	780
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aaaaaaaa	849

<210> 551

<211> 648

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (648)

<223> n = a,t,c or g

<400> 551

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ctaaattgat gctgtccaaa tttctgcctt ggggcaagtt ggctatgcct tctcgatga	180
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gacccggagg gtttttgccc cgggttgann nnnnannnn cnagcgggna ggcgaggagg	360

aacggcccag	gggacgccct	cggcctcgag	gcgggggggg	ccccggaccg	cccccccaag	420
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acccgogcca	cgcacgagac	gccccgcggg	cggaaacgacc	ccgccccgcc	accctgcca	540
cgaatgcccg	gcggccgcat	gacccccgcc	ccagaggctg	ctcgttcttt	tgaacaaggc	600
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<210> 552
 <211> 713
 <212> DNA
 <213> Homo sapiens

<400> 552						
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gaatctctca	tctatcttct	gatgttgaac	cataagaaaa	tgctgatatt	tgactgcttt	300
agatctgtga	aaatgactgt	atcttgagaa	agcatgotta	tcatgtcatt	tcttgatttt	360
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taatataata	tggttatagt	attattttaga	ctggaaataa	ttcacagcca	agacatgtaa	540
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gcttggttta	agtacctgtc	actgactcat	tcccactg	aagcctaacc	ttcctttttt	660
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<210> 553
 <211> 714
 <212> DNA
 <213> Homo sapiens

<400> 553						
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aatttctact	ctttccgagg	ggctaagtgt	gttctcagct	gtgaaacttt	attgttgtca	180
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aatgggtgagg	caaagagtgt	tttgatccaa	ggaaataaca	tgtgcaccct	atctactaga	480
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gaagcagggg	ttataggagc	agatttccat	tgttaaaaga	tagctatgct	tcag	714

<210> 554
 <211> 836
 <212> DNA
 <213> Homo sapiens

<400> 554

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aataaatgtt	tagcgcgaga	tagtccagtg	taaccatgaa	ttcaaaattg	ggtgaaatga	180
gaaggcaaat	agcatgtcag	gcagtcaggt	tatctcagag	tgggggacat	tgatggagag	240
actcaggggc	aagtgccttat	taataatagc	ccttatgaca	cctctgtgta	ctaccactat	300
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agcacataaa	caaccataga	caatatgtaa	atgaatgaac	atggctgtgt	tctaataaaa	480
ctttattttac	aaaacatgtg	atggggccaac	ccctgatgta	tatagtattg	acgcattttat	540
tcttaatacg	ttctatgcgc	gacctactgt	tattaccacc	attctatttt	gtcttttgat	600
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tcagggtaaa	tggggtatcc	attatctcaa	gcattgtatca	tttctttgtg	ttacaatcat	780
cccaattctt	ttagttattt	gtagatgtac	aataaattat	tgttgactat	agtcac	836

<210> 555
 <211> 1765
 <212> DNA
 <213> Homo sapiens

<400> 555						
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<210> 556
 <211> 1044

<212> DNA

<213> Homo sapiens

<400> 556

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<210> 557

<211> 1372

<212> DNA

<213> Homo sapiens

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 <211> 1818
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<212> DNA

<213> Homo sapiens

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<210> 565
<211> 886
<212> DNA
<213> Homo sapiens

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<212> DNA
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 <213> Homo sapiens

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<213> Homo sapiens

<400> 575

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<212> DNA

<213> Homo sapiens

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 <212> DNA
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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 787

<212> DNA

<213> Homo sapiens

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<211> 363

<212> DNA

<213> Homo sapiens

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<211> 814

<212> DNA

<213> Homo sapiens

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<210> 589

<211> 794

<212> DNA

<213> Homo sapiens

<400> 589

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<211> 1012

<212> DNA

<213> Homo sapiens

<400> 590

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<400> 593
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 <211> 654
 <212> DNA
 <213> Homo sapiens

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<210> 595
 <211> 611
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = a,t,c or g

<400> 595


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<210> 597
 <211> 3834
 <212> DNA
 <213> Homo sapiens

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<210> 598

<211> 1024

<212> DNA

<213> Homo sapiens

<400> 598

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<210> 599

<211> 444

<212> DNA

<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <223> n = a,t,c or g

<400> 606

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<211> 363

<212> DNA

<213> Homo sapiens

<400> 607

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<211> 592

<212> DNA

<213> Homo sapiens

<400> 608

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<210> 610
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 <213> Homo sapiens

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<210> 611
 <211> 594
 <212> DNA
 <213> Homo sapiens

<400> 611
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 <211> 324
 <212> DNA
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<210> 614
 <211> 3629
 <212> DNA
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<211> 1065

<212> DNA

<213> Homo sapiens

<400> 615

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<210> 617
 <211> 1366
 <212> DNA
 <213> Homo sapiens

<400> 617
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<210> 618
 <211> 946
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(946)
 <223> n = a,t,c or g

<400> 618
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 aatgtaattt gtgaccaggt gagttagtca ctttgtagtg gcattttgta ttctctttca 540

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cccggtcgg	cataaattcc	tgagctgaag	acatttcctgt	acctcaggct	accaaagtgc	840
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<210> 619
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 619						
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<210> 620
 <211> 384
 <212> DNA
 <213> Homo sapiens

<400> 620						
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tcttcttctg	ggtcggggga	gcagccgtcc	tggtctgtgg	catctggacc	ctggtggaga	180
agagtggcta	cctcagcgtc	ctggcctcca	gcacctttgc	cgcctccgcc	tacatcctca	240
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<210> 621
 <211> 873
 <212> DNA
 <213> Homo sapiens

<400> 621						
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ttaaaaaacta	gccagggctg	ggggcatggg	gactacaggc	tgcagtaagc	ctatgaatgg	780
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<210> 622
 <211> 875
 <212> DNA
 <213> Homo sapiens

<400> 622						
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<210> 623
 <211> 923
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(923)
 <223> n = a,t,c or g

<400> 623						
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 ctacactcct gccgcgctcc cct 923

<210> 624
 <211> 1101
 <212> DNA
 <213> Homo sapiens

<400> 624
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 aaggagcgta gaggcacagc g 1101

<210> 625
 <211> 1077
 <212> DNA
 <213> Homo sapiens

<400> 625
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<210> 626
 <211> 1085
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1085)
 <223> n = a,t,c or g

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<210> 627
 <211> 838
 <212> DNA
 <213> Homo sapiens

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 cgctccacc ccctagccac ctttccccgc ctgcgggtgc caacaatct tctccccct 780
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<210> 628
<211> 845
<212> DNA
<213> Homo sapiens

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<210> 629
<211> 913
<212> DNA
<213> Homo sapiens

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ccactgttcc ccg 913

<210> 630
<211> 812
<212> DNA
<213> Homo sapiens

<400> 630

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ccacgtgaag	agacactttt	agtgtggggg	tgtagtacgg	gaacacggag	tattatatca	780
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<210> 631

<211> 760

<212> DNA

<213> Homo sapiens

<400> 631

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ctacaaggga	catttttagtg	taaggcaaaa	atataaaatt	atcactcata	atgttttttc	180
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aactgtccaa	ttttatgtgc	attgaaagca	aaagctagct	gagaaaggaa	agcttttctc	480
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cottgaagtt	taataaata	ttttggactg	tttaattata	ttcacttttg	ggcatgtttt	600
ttttgagaca	tggctctctat	agcccaggat	ggagtgcagt	catgtaatca	tggctcattg	660
cagcctcagc	ctcctgggct	caagcgatct	tcccacttca	gcctcctcag	tagctaagac	720
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<210> 632

<211> 1716

<212> DNA

<213> Homo sapiens

<400> 632

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ggtggacctt	ggattttggc	gggtgaagag	gctaggttgt	ttaaggaggt	ggggcgcggt	180
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<210> 633

<211> 924

<212> DNA

<213> Homo sapiens

<400> 633

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gttaacggaa	ctcctgagag	gtggatcctt	tgagtttaag	gacatgcgtg	ttccttcagc	180
gcttgttact	ttacatatgc	tcctgtgctc	tatccccctc	tcagggtcgtt	tggatagtga	240
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ttcagagctg	ctgcctcttc	cattgcccac	gcaaacaact	caggatcac	ttccatataa	480
catgcatctt	ataaatgact	gcagtaaca	tttttaaaaa	gccagtgtt	ttgttaaaaa	540
acaaaaacc	tcactctcct	tcctcccaaa	aagacataaa	ataaccggat	gagggggaga	600
taaaactgaa	acaagttggt	cattgaggaa	atatgggggt	aacattttta	ataaatTTTT	660
gttaaagtga	gttttatTTT	gctgttatgt	atgtttgtac	ttacattttt	ctgggttattt	720
taaatccttt	ccccacacc	ttaccatgtg	ttagaatttg	gccaataact	agattgcttc	780
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attgaattca	agcaaatgtt	taactgtata	atagaaaatt	aaatgtttta	agcttacggt	900
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<210> 634

<211> 455

<212> DNA

<213> Homo sapiens

<400> 634

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tcctcagcat	atgctcaggc	actgtgctgt	ccactggcac	aacaatgtga	acttggggga	180
gacaaattat	aataaattat	taaaagagct	ataatggata	taaagtgtgt	gttctgacag	240

aaaatgggga	gaaggtggct	atTTTTgata	gcgtgtttta	gacagcctc	tatactggcc	300
tgggcaacgt	ggcgaaaccc	cgtgtctaca	aaaaataaaa	aattagccag	ccatgatggc	360
ccacaccttg	cagtcccagc	tattcgggag	gctgaggcgg	ggagatggct	taagcccagg	420
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<210> 635
 <211> 384
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (384)
 <223> n = a,t,c or g

<400> 635						
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attaaaccga	gcagtagggg	cctagacaag	tgggtcagtg	cctttgtgca	caaaggtttc	240
acgtggggca	catcggagag	aataaatacc	ggttcttctc	cggacatcac	tttggggatt	300
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gacggatggc	cttgggacga	tttn				384

<210> 636
 <211> 1201
 <212> DNA
 <213> Homo sapiens

<400> 636						
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a						1201

<210> 637
 <211> 981
 <212> DNA
 <213> Homo sapiens

<400> 637
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 aacctccagg tagtggattg gacttggctg atgctttgga tgatcaagat gatggccgca 360
 ggaaaccggg tataggagga agagagagat ggaacctatg aaccaccacg accaagaggc 420
 cagtaaccac cagagctcca gcaaatactt taggaaatga ttttgacttg gctgatgccc 480
 tggatgatcg aaatgatcga gatgatggcc gcaggaaacc aattgctgga ggaggagggt 540
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 aaggatgatg ccggtacggc agcaatgacg accctggatc tggcatgggtg gcagagcctg 660
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 cgttgacacac gcagtctgca gagccgcccgc cgccgcccga accagcccgg atctgagggc 900
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 cttcatttgg acccgcatg g 981

<210> 638
 <211> 1421
 <212> DNA
 <213> Homo sapiens

<400> 638
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 gctctatcct gtgtaactac aaggccatcg aaatgccctc acaccagacc tacggaggga 180
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 agctcaagaa gctcatctct ctccgggact ggatgttagc tgtgttggcc tttcctgttg 360
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 cgaagctgct ggataatttt atcccagggt ggctgaatca cggaatgcac acgacggttc 480
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 gacttaccgc catatgtacc ttctctgttg gctatatatt atgggtgtgc tgggtgcatc 600
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 tcttcttttg gtctacaacc atcttaatga acttctctgta cctgctggga gaagtctga 720
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 aatgctgact aataaagaca aagccaccct gaaaaaaaaa a 1421

<210> 639
 <211> 755
 <212> DNA
 <213> Homo sapiens

<400> 639
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 agggctgacg tgcgggaggc aggtttgcaa gtgtgactgc ccacctggct tcaaagccag 180
 ctgctctatg accctgcctc ggccctgcct gtgtgtggtt gtggccgagt ggccctgcac 240
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 aaaaaatta gctgagtgtg gtggcaggca cctgtaatcc cagctacttg ggaggctgag 660
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 ggatgacagg gcaagactcc gtctgaacaa agaaa 755

<210> 640
 <211> 1776
 <212> DNA
 <213> Homo sapiens

<400> 640
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<210> 641
 <211> 418
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(418)
 <223> n = a,t,c or g

<400> 641						
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agaaggaccc	atagccttga	agttctcaca	cctttgcctg	gaagatcata	acagttactg	240
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tggttatact	ggagaaaggt	gtctaaaatt	gaaatcgctt	tacaatgtct	gttctggaga	360
aagacgacca	ctgtgaggcc	tttgtgaaga	atcttcatca	aggcatctgt	agagatcn	418

<210> 642
 <211> 731
 <212> DNA
 <213> Homo sapiens

<400> 642						
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atagtttctg	gaaagcctga	aattttttaa	aattatactc	tcacgtaggg	gcattcttatg	180
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<210> 643
 <211> 956
 <212> DNA
 <213> Homo sapiens

<400> 643

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<210> 644
 <211> 870
 <212> DNA
 <213> Homo sapiens

<400> 644						
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 <211> 904
 <212> DNA
 <213> Homo sapiens

<400> 645						
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<210> 646
 <211> 943
 <212> DNA
 <213> Homo sapiens

<400> 646						
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 <212> DNA
 <213> Homo sapiens

<400> 647						
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<400> 648

<210> 649

<211> 886

<212> DNA

<213> Homo sapiens

<400> 649

<210> 650

<211> 1624

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (1624)$

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<400> 650

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 <211> 651
 <212> DNA
 <213> Homo sapiens

<400> 651

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 <212> DNA
 <213> Homo sapiens

<400> 652

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<210> 653

<211> 1524

<212> DNA

<213> Homo sapiens

<400> 653

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<211> 711

<212> DNA

<213> Homo sapiens

<400> 654

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<210> 655

<211> 1524

<212> DNA

<213> Homo sapiens

<400> 655

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ccggcccggg	ccacctcagc	ctgctgtgcc	tcttcattgc	cagcaaccgc	gtcttccactg	1500
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<210> 656

<211> 993

<212> DNA

<213> Homo sapiens

<400> 656

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cgtgatcgtc	ctccaatacg	tgtgccccgg	cacagaatgc	cagctcctcc	gcctgcagge	180
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gccccgctac	aattttcacc	gcggcgacct	cctgcgcaag	gtagacttcg	acatcaaggg	300
cgatgacctg	atcgtgttcc	tgcacatcca	gaagaccggg	ggcaccactt	tcggccgcca	360
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cacttgccac	cggccgggta	agcgggaaac	ctggctcttc	tccaggttct	ccacgggctg	480
gagctgcggg	ttgcacgccc	actggaccga	gctcaccagc	tgtgtgccct	ccgtggggga	540
cggcaagcgc	gacgccaggc	tgagaccgtc	cagggtggagg	atttttcaca	ttctatatgc	600
agcatgtaeg	gatatacggg	gttctccaaa	cactaacgca	ggggccaact	ctccgtcatt	660
cacaaagacc	cggaacacat	ctaaaagttg	gaagaacttt	cactacatca	ccatcctcca	720
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tttaatctac	ccctaaacca	ccccggttgt	gccttgtctt	tagctacctt	ttatatattat	960
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<210> 657

<211> 969

<212> DNA

<213> Homo sapiens

<400> 657

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taaattttacc	attttgctat	ttgttttcta	tattttctct	gtcttttttg	atgttgttat	180
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agtttttctc	tttttcagct	gtatgacatt	agtactcttc	ctagtgtctg	ctctaattgat	300
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aaaatacaga	aacttccctt	caatattgct	tcattttctt	catctttggg	tatcattttg	420
tcatatatct	cacatgcata	tatgtcataa	cctattaata	tagtattgaa	ttactttgta	480
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aaatatattat	gggaagaaat	attttgcagg	ggctcacacc	tgtaatctca	gcaatttggg	720
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aaaccccatc	tctactaaaa	atacaaaaat	tagctggaca	tggtggcacg	tgctgttaat	840
cccacctact	tgagaaactg	aggcaggaga	atcgcttgaa	cctgggaggg	agaggttata	900
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<210> 658

<211> 572

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (572)

<223> n = a, t, c or g

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<400> 658
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gatgacctgc ctgcagagat gagccaccca ctctagggcc tcctgtctgc tgagagctgc    120
acagacaaca ggacaatcag gtacagagag gagctacact ctctgttgat agctgaacac    180
ttgtcaggca agtgttctag cagaacttgc ctagcagaga ggagctatcc tctctgctag    240
gagatgaaca ctcatggaa catcctgcct gtggaaagga gctgtcccct gtggatttcc    300
tctgagctgt cctattgctc aataaagctc ctcttcactc tgctcaccct ccacttgccct    360
gcatatctca ttcttcctgg gcacaagata agaactcagg acctgccaaa tgaggctaac    420
agagctgtaa cacaacagg gctcagacat gctctgtatc agtccatttc atgctggtga    480
taaagacatg cctgagactg ggaagaaaaa gaggttttat agttcccatc ggctggggag    540
gcctcacaat catggcggaa cagnaacgagc ag                                572

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<210> 659
<211> 844
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(844)
<223> n = a,t,c or g

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<400> 659
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ccttcttccc ctccatgtg gggactttta attccatgta tattaggctg catgaagctt    180
ccccacaacc tactgatgct cttttcatta gaaacatttc ttactctgcg tttcattttg    240
gatagtttct attcctatgt tttcaaacc accaataaaa gattctgcaa catctgacct    300
gccattaatc ccgtccagt tatttttcat ctctgtatt gtagttttca tctctacaat    360
cccaacttga gcctttggtt ataacttaca tgttgctcct gcactgtttg aacatgcaga    420
atggctagtg gggcagtgag ctgaggagaa gggacagagg ggaagctcgg ctgttgggtc    480
tacgggtatg atggagacca tgcagctgaa agtaaaccgt cacccttct gcttcagtgt    540
gaaaggccag gtgaagatgc tgcagctgat gaggtcngc cttagggtgc gnggggtggt    600
ggaatctgct tgtgggcggg agatgtggct atgtggctat aaaggatgaa gatgaacgcc    660
ctgtttgctt ttcagcctcg cttggatcaa gggtaaaaag ccggttgtgc cctcctggtg    720
aagaaagaag agataaggac ttgcctccct ttcgaggggc tgggaaacct taacctcaa    780
aacactgggg gccgggcctt gttggtccct gggcccaaaa ccttgggggg cgaccgggga    840
ggggg                                844

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<210> 660
<211> 772
<212> DNA
<213> Homo sapiens

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<400> 660
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gctgcagctg gactgggtga gcagaggaga gagtggtggg ctgcatcttc ctaccctgag    180
tgtccaggag ggtgacaact ctattatcaa ctgtgcttat tcaaacagcg cctcagacta    240
cttcatttgg tacaagcaag aatctggaaa aggtcctcaa ttcattatag acattcgttc    300
aaatatggac aaaaggcaag gccaaagagt caccgtttta ttgaataaga cagtgaagca    360
tctctctctg caaattgcag ctactcaacc tggagactca gctgtctact tttgtgcaga    420
gatccctgaa cagagatgac aagatcatct ttggaaaagg gacacgactt catattctcc    480

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ccagcctgag	tcaaggttat	tgcaatagca	ctaaagactg	tgtaacacca	atgcaggcaa	540
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ttgcgtgtac	cagctgagag	actctaaatc	cagtgaaccag	gctggctggc	taattaccgg	660
atcttgatct	tcaaccaagg	tgccccaagg	taggattctg	tgtgtaatta	cagacaaact	720
gtgctaaaca	tgaggccatg	actttagaac	acaggggtgtg	gctggagcac	at	772

<210> 661
 <211> 920
 <212> DNA
 <213> Homo sapiens

<400> 661						
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gtcacagcct	tgtagccggg	agtcgctgcc	gagtgggggc	tcagttttcg	ggctcgtcatg	180
gctggctacg	aatacgtgag	cccggagcag	ctggctggct	ttgataagta	caagtacagt	240
gctgtggata	ccaatccact	ttctctgtat	gtcatgcac	cattctggaa	cactatagta	300
aaggatattc	ctacttggct	ggcgcccaat	ctgataactt	tttctggctt	tctgctggtc	360
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tcctcttttg	gaagaggatc	aactggtggc	aggggttttg	ttctttttat	ctcctgctat	660
gggtaggttt	gctctctttt	ccgcctgacc	ccccttggaa	aagctttaca	cccgcgatcc	720
ttttctctgc	ctgggggga	ggctcttccc	ccggccgcga	tcgcttctcg	ctccccacag	780
accgcgcgcc	gtctgctcac	tcgccccttt	tatcaaccct	tcagcactcg	atccgtactt	840
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cttcaatccc	ttctctgccc					920

<210> 662
 <211> 1372
 <212> DNA
 <213> Homo sapiens

<400> 662						
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taagacagtc	ggccggagga	ttgtattttc	aatataatct	cctcattatt	cccttcttga	120
tggttggact	gtgtctacaa	tgtcagagca	tataggcatt	acatactatg	ctgtaccctt	180
tataaaatca	cttaagtttt	aattctgtgg	tttatattta	atgttcatca	tctgctttta	240
gattgatgtc	ttttcagtca	attctgaagc	ttgttttcta	gtagaattct	caggaagagc	300
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ctgttactcc	attgtcatcc	tacataaagt	ctcatgctgg	tctcatttct	ttcccttggg	480
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gtttaatatg	tctcattgtg	ggttactttt	cctgggtgtc	acttggcttt	tgagctttat	600
tttccttgtc	tgtaaaatga	gaataacttt	tttgttttgc	ttgctcacag	tagatatgaa	660
gccaaataag	gtattatata	tgaagtgtct	taaatgtatt	attttactat	cttgttatcc	720
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agcaagaccc	tgtttcaaaa	aaaaaaaaag	aaaaaaaaac	tttaaaagcc	ttttttttta	1140
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tttcttttat	ttagggggga	ataaaaccgg	attgaaagaa	aggggccttt	ttgaagaacc	1320
ctaaaaaaa	aactccattg	aaatataatt	ttaaaacctt	ttgccgggccc	gg	1372

<210> 663
 <211> 1192
 <212> DNA
 <213> Homo sapiens

<400> 663						
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cccgcctttc	tgcgcttcgg	gggcaaaagg	accgacttcc	tgagtttcca	gaacctgagg	420
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gacattgttc	gaagtgatgt	tgcccttagat	aaacagaaaag	gctgcaagat	tgcccagcac	540
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aaaacccgcc	tgtgaaacac	acttttgtgc	cgattagaga	aatcagaaaag	gggtaaacat	960
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ccgggcggcg	ctcgtgttgg	cacgggaaca	cgcccggtgc	ccgagagtcg	ccggcacacc	1140
cagcgtgtgg	tgttgtgggc	atctggtact	acggagtccc	gacctagcgt	cg	1192

<210> 664
 <211> 779
 <212> DNA
 <213> Homo sapiens

<400> 664						
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cttgtcttcc	gggcattgga	gcagcccttt	gagagcagcc	agaagaatac	catcgcttgc	180
gagaaggcgg	aattcctgcg	ggatcatgtc	tgtgtgagcc	cccaggagct	ggagacgttg	240
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tactttgtgg	tggtcactcc	gcccacgggtg	ggctttgggtg	atcttgtggc	agggaaaacc	720
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<210> 665
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 665
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 gtaagcaata tgtcctactg tccatcctgc tttgtctcct ggcatctggt tcggtggatt 180
 tottctctgct tccgcattca gtccttgctg atgatgacgg catcaaagtg gtgaaagtca 240
 catttaataa gcaagactcc cttgtaatte tcaccatcat ggtaagcctt acggtttcat 300
 tccctgggtt gtgcacctgc caggctggga cccaggacac ttacacttag ttctgactt 360
 gccctgatgt aggccaccct gaaaatcacg aactccaact tctacacggt ggcagtga 418

<210> 666
 <211> 722
 <212> DNA
 <213> Homo sapiens

<400> 666
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 tgtccacata tacgcgtgca gcacagcacc actagcccgag tacatccaca aacaatcgtg 180
 acaccacaca agtaggccag tgcateccaca catgcgtgtg cgacacacct ctaggccagt 240
 gcgtccgaca cactctgtgc aaaattgcac cagtaggccca gcatgtccac atgcatatga 300
 gacagtgcac cattaagcca gtgcgtccac acacacgtga cattacacta ttaggccggc 360
 tacgtccaca cactcatgca aaattgcacc actaggccag cacatccaca cacacacgta 420
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 aaaaaatcca agtcacaaaa ggatgttgta tttgacactt acaaaatcaa attcaaggta 660
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 ag 722

<210> 667
 <211> 780
 <212> DNA
 <213> Homo sapiens

<400> 667
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 gagtcatggc catgctgatg ctccccctgc tgctgctggg aatcagcggc ctctcttca 180
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 tcagcgtggc tgaccccgag aagacattca ccccaaagct ggtcctgttg gacctctcag 420
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<210> 668
 <211> 781
 <212> DNA
 <213> Homo sapiens

<400> 668						
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tttagaagg	atgttcacgt	tcattgaggt	tacatgtagg	cattatagca	cttgtggcat	180
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aaaaaggcat	ttatattcag	agcatctaga	atgtacatca	cattttttatt	tttcattttt	360
aaagcttcta	cgcagatttt	ggaccactca	atctggcaat	ggtttacaga	tattgctgcc	420
agatcaataa	gaaattacag	gccattacaa	tggttaaggaa	gaaaattgtt	cattttactg	480
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acatcttgaa	gtctgctggc	caacagacaa	ccgcctctac	ccctcttccg	atgccgccaa	720
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<210> 669
 <211> 869
 <212> DNA
 <213> Homo sapiens

<400> 669						
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<210> 670
 <211> 394
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(394)
 <223> n = a,t,c or g

<400> 670
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 cttgccaatg gaccgatccc acctcattac tggaataaga aggtccccct cacccttcct 180
 gcttattttt ccagtataat acacgggtgg gccacctta ccacatcctc ggtggtacct 240
 actttatgat ctttttcatt aaagccccctc tgtacttatt gcagtcaatg atggactgtc 300
 tgtatgcgcg gcgtatccca tgtataaccg attgtgcaat ggctgaaatt gagaaattgg 360
 ggcaaaagta tccagtggct ctaaggattg ccan 394

<210> 671
 <211> 1121
 <212> DNA
 <213> Homo sapiens

<400> 671
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 caaaaataat aataacaaaa tattagcttt attgatgaat acctcataca ccataaaagc 180
 tagtgtttat agtatagtca cagagctgca cagccatcac cacaatgtaa ttttagaata 240
 tttctgtcac tccataccct ttagccgtcc ccagctcccc cctcaccag gcaaccacta 300
 atccacttct gtctctgtaa tttttctgtt ctggacagtt catatgcatg gaatcatata 360
 aagttttttc catatctgct tttttcttaa gttgacatat aataattgta tccatgtccg 420
 cttttaaaat gcaatttgac tttcacagtt tagctgaatg ctttcacttt cgttatttta 480
 atgagagtta gtgtaaggaa aatgagaatt taccaaaatt ttaaatacatg tcacctggta 540
 ttttatcttt acactcatgc tttcaagtga aaattccagt gcattatttt cctcaagaga 600
 aagcagtggc agataagtac tttctaattt ttttatatgt cactcaagcc gttggaagct 660
 tcataggtaa agcataactt aaatataagt ttattctaac taatcccaat atgtggcctc 720
 aaaacataag tccataaatg tcattttctaa gattatttta cataaatact caaatttggt 780
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 cattaaataa taacattttt ctcttctctc tcatagagtt tatagacaaa actagaaaat 960
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<210> 672
 <211> 1245
 <212> DNA
 <213> Homo sapiens

<400> 672
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 tgaggtcgtg caactgcttc gaccgtctc atattctcgt ccataacac tgctgctgga 180
 cacagctaat cggcattatc actatctcta cttctatcat aacaacggtt accgccgtgt 240
 tcgcactctt cggcacgagt cgcctcaatg gccgtctcaa aacctgtac actgggctca 300

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agaggaagtg	tcagatatgg	gtggtgacaa	tcctgaagtg	ggcaagaaag	ctagaaactc	480
aagcaaattt	gagctgagga	aaagcccagt	tttcagtgat	gaggattctg	accttgactt	540
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agaaaagtcc	ataatagacg	agaaattctt	ccaactctct	gaaatggagg	cttattttaga	660
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gtttcttttc	ccttaacttt	ttatttttaa	aacttgcaaa	cacagaaaag	ttgataaaat	1140
catacagtga	acatctgtat	tctattcaac	tggattcact	agttcacatt	ttgtcatatt	1200
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<210> 673
 <211> 714
 <212> DNA
 <213> Homo sapiens

<400> 673						
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atltgagaat	ttcttcacat	ttttattttac	ttgattgttt	atgttattgg	agttgaaaat	360
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gattttctct	ttattttctga	tctaagtttt	tatagtgatg	tgtgttgctt	tgactttgat	540
tattattttt	atlttagttag	tttttgagat	agggctctcg	cctgtcacct	agacaggagt	600
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<210> 674
 <211> 1138
 <212> DNA
 <213> Homo sapiens

<400> 674						
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aaagttatat	gagtcttggg	tcataaaacc	atlttctgtt	ttttatacaa	ctacttgtct	180
taaaaaatag	ctattgtatg	ttattaaaaa	tgaaacagaa	taaaaaactc	aagaaaatta	240
tgtgtttatt	attcttaatg	ctatcaagtt	atcatttaat	atgaggtata	ttttttattt	300
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ttatctcctg	agcgtccttg	acctttcttt	atagtttaat	tgtggtccct	tgaaccagag	480
ggtgatctgc	aggcattttt	tttgttatca	gaatgtgtga	aactagggtt	caggactgtg	540
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tctctctcgg	ccggaccacc	cgtcatgtgc	ctcttctctg	cacgccgggc	ggcgccctcc	1080
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<210> 675
 <211> 897
 <212> DNA
 <213> Homo sapiens

<400> 675						
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cgccactcct	ccccgtccgc	tcctctgtct	ctacgaacac	tcgccccggc	acccccg	897

<210> 676
 <211> 609
 <212> DNA
 <213> Homo sapiens

<400> 676						
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gccacctcat	caaggccgag	gacgactgag	ggcctctggg	ccaccctccc	ggctggagag	540
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taaaatggt						609

<210> 677
 <211> 999

<212> DNA
<213> Homo sapiens

<400> 677

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caagcccagt	gggagaggct	gctgactaca	tttgaaggga	aggagtggat	cctcttcttt	300
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catctcaagt	tcaaccacgg	ctatgggggtg	tgcagcgagt	ttcacgaact	tctcggtaat	960
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<210> 678
<211> 603
<212> DNA
<213> Homo sapiens

<400> 678

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gctcttgaaa	ccggaaaacc	cagggatggg	agatgctcac	tgagctgctg	cttttatgtg	360
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aac						603

<210> 679
<211> 374
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (374)
<223> n = a, t, c or g

<400> 679

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<210> 680
 <211> 715
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(715)
 <223> n = a,t,c or g

<400> 680						
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cggaacagt	aagaccgagg	accagcgcaa	cgaggagaag	gcgcagcgtg	aggccaacaa	120
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<210> 681
 <211> 757
 <212> DNA
 <213> Homo sapiens

<400> 681						
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gaatcatgtg	tccaagggct	caccctggag	gtgcacagca	caggtcagcc	tggccagggg	120
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<210> 682
 <211> 1660
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1660)
 <223> n = a,t,c or g

<400> 682

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acattcatct	gaattgtggc	tacaatctct	tttaaataat	ctaggaaaaa	agaaagataa	1560
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<210> 683
 <211> 471
 <212> DNA
 <213> Homo sapiens

<400> 683

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ggctctgtg	ccctgtttgg	gaggacgccc	cctgtctctc	ctgctttcac	aacaacctct	420
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<210> 684
 <211> 478
 <212> DNA
 <213> Homo sapiens

<400> 684
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 ggtttatttt attattttat tattattatt tttttttcga gacagtctcg ctctgtcgcc 420
 caggctggag tgcagcggcg ctatatcagt tcacagcaag ctccgcctcc cgggctca 478

<210> 685
 <211> 356
 <212> DNA
 <213> Homo sapiens

<400> 685
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 ggacatcaac ttggacattc ctagttttct attgagagaa catattgacg agctcatatg 180
 tgataaaact ttagactcta aaaagattgc acacttcaga gctgagaaag agactttcag 240
 cgaaaaagat acatattgct atttaaaaat ggaactctga aaattaagca tctgaagacc 300
 gatgatcagg atatctacaa ggtatcaata tatgatacac aaggaaaaaa tgtgtt 356

<210> 686
 <211> 923
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(923)
 <223> n = a,t,c or g

<400> 686
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 atgacccttg tctgtgagca cctgctctct aagctgaggg aatccctggg gtcacccag 180
 cagtggcgtg ttccatgctg ctgtaggcca ggaacatggt gcagccgaag tggacggcca 240
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<210> 687
 <211> 528
 <212> DNA
 <213> Homo sapiens

<400> 687						
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gcgactgaac	ttcaccaggt	cctactccct	gcaactcagc	aacctgaaga	tggaagacac	360
aggctcttac	agagcccaga	tatccacaaa	gacctctgca	aagctgtcca	gttacactct	420
gaggatatta	accctttacc	ccattgttgg	gaacgggatt	tgggggaata	aaaacttttt	480
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<210> 688
 <211> 415
 <212> DNA
 <213> Homo sapiens

<400> 688						
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gcgccttcaa	gaaactcaag	aatttgaaca	cactgtacct	gtataagaat	gaaatccatg	360
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<210> 689
 <211> 889
 <212> DNA
 <213> Homo sapiens

<400> 689						
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tcggagctgc	ggagaggtcc	gccaggcgta	cggtgccaag	ggattcagcc	tggcggacat	240
cccctaccag	gagatcgag	gggaacactt	agaatctgt	cctcaggaat	atacatgctg	300
caccacagaa	atggaagaca	agttaagcca	acaaagcaaa	ctcgaatttg	aaaaccttgt	360
ggaagagaca	agccattttg	tgcgcaccac	ttttgtgtcc	aggcataaga	aatttgacga	420
atctttccga	gagctcctgg	agaatgcaga	aaagtcacta	aatgatatgt	ttgtacggac	480

ctatggcatg	ctgtacatgc	agaattcaga	agtcttccag	gacctcttca	cagagctgaa	540
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<210> 690
 <211> 784
 <212> DNA
 <213> Homo sapiens

<400> 690						
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acag						784

<210> 691
 <211> 475
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(475)
 <223> n = a,t,c or g

<400> 691						
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aagacaatct	ccagcatggg	ctgggctcct	ctcctactca	ctctgctcgc	tcactgcaca	120
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tggtagcagc	taattccagg	aacagccccc	aagctcctca	tctttaataa	caatcgtcag	300
ccctctggag	tccttgaccg	attctctgcc	tccaagtctg	gaacctcagc	ctccctaacc	360
atcaatgate	tccagcctga	ggatgagctt	gaatattact	gccttgctat	gacagcagcc	420
tcactgggtg	cttcggaact	gggaccaaag	tcacctgcct	gagtcagccc	aaggc	475

<210> 692
 <211> 1028

<212> DNA

<213> Homo sapiens

<400> 692

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gtgaggagga	ccgggagctg	gctctggagg	ctgcggaggc	gacgccggag	agaacgaagc	180
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tgccacgatg	aggactcaca	cacggggggc	tcccagtgtg	ttttcatat	atttgctttg	300
ctttgtgtca	gcctacatca	ccgacgagaa	cccagaagtt	atgattccct	tcaccaatgc	360
caactacgac	agccatccca	tgctgtactt	ctccagggca	gaagtggcgg	agctgcagct	420
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<210> 693

<211> 620

<212> DNA

<213> Homo sapiens

<400> 693

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agctcatatg	gagtatccct	atggagagct	catcatctcc	ctgggcttct	tttttgtctt	480
ctttttggag	tcgctggcat	tgcagtgtctg	tcttggggct	gctggaggat	cgacagtgca	540
ggacgaagaa	tgggggtggg	ctcatatctt	cgaactccac	agccatggac	atttaccctc	600
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<210> 694

<211> 851

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(851)

<223> n = a,t,c or g

<400> 694

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tggggaagct	taagaagact	ggctcttatt	actcaccgga	tgggtcaacgg	gaatttggtc	780
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<210> 695
 <211> 995
 <212> DNA
 <213> Homo sapiens

<400> 695						
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<210> 696
 <211> 860
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(860)
 <223> n = a,t,c or g

<400> 696						
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actgggcaga	aaataagaac	agggagctgt	gagctgcatg	gttcccagag	ctcacacagc	180
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ccaggagggc	cgtgcctgag	atgcatggct	aaaagagctt	tttaggaaag	gttactacag	300
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<210> 697

<211> 966

<212> DNA

<213> Homo sapiens

<400> 697

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ggatacacac	atcactgcct	ttgggtctaa	tcctttcatg	tccttcaaac	ctgaacaggt	420
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tgacaccac	cacacctggc	taatttttgt	attttttagca	gacagggttt	caccatgttg	900
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<210> 698

<211> 531

<212> DNA

<213> Homo sapiens

<400> 698

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 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = a,t,c or g

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 tgtagcagca ttggtggggg aggcgctcag tcatcacaag cgggttgggg tttgggggtg 480
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 <211> 473
 <212> DNA
 <213> Homo sapiens

<400> 700
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 aaacttaaaa gaagcagcaa ttctattcgc ttgttattgg acttgaaact ccctttgacc 180
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 aaaacctcat atcaggtgga agttaaatgg agcagatgct gacactggta tggagttcct 420
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<210> 701
 <211> 1491
 <212> DNA
 <213> Homo sapiens

<400> 701
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<210> 702

<211> 1127

<212> DNA

<213> Homo sapiens

<400> 702

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<210> 703

<211> 785

<212> DNA

<213> Homo sapiens

<400> 703

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<210> 704

<211> 1030

<212> DNA

<213> Homo sapiens

<400> 704

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<210> 705

<211> 1064

<212> DNA

<213> Homo sapiens

<400> 705

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 <211> 413
 <212> DNA
 <213> Homo sapiens

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 <211> 311
 <212> DNA
 <213> Homo sapiens

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<210> 708
 <211> 1196
 <212> DNA
 <213> Homo sapiens

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<210> 709
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<212> DNA
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<211> 490
<212> DNA
<213> Homo sapiens

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<223> n = a,t,c or g

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attttaaaag						490

<210> 711
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 <212> DNA
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<400> 711						
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<210> 712
 <211> 648
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1) ... (648)
 <223> n = a, t, c or g

<400> 712						
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catttggtca	gagaacttaa	taaactagtc	aagtgggata	ggtcctgtga	cagaattgtg	300
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ctttggagaa	acctatthtt	tcattthaacc	tgthctthta	atccagtatg	ttccagaaca	420
tacaaaaatg	tttaaatgtt	ccatttgtaa	gaggatatca	tgtatthttat	atcaatttaa	480

atgcagttat	cctaatacatt	tttctttcat	ttttaccctt	tattaactct	tcattttgttt	540
acaaaacaaa	tccactctat	gaacgcaatc	tctaattatg	tgntttcttt	cagggatcca	600
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<210> 713
 <211> 393
 <212> DNA
 <213> Homo sapiens

<400> 713						
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cagtaaggaa	aaccggggtt	tttcggacgg	aaccgtaaata	atggccccc	gggaacctcg	360
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<210> 714
 <211> 615
 <212> DNA
 <213> Homo sapiens

<400> 714						
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gtgtgtacct	ggcttcagat	ccagcagtaa	ccaagacagg	tttatcacta	atgatggaac	360
cgtctgtata	gaaaatgtga	atgcaaactg	ccatttagat	aatgtctgta	tagctgcaaa	420
tattaataaa	actttaacaa	aaatcagatc	cataaaaagaa	cctgtggcct	tgctacaaga	480
agtctataga	aattctgtga	cagatctttc	accaacagat	ataaattaca	tatatagaaa	540
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gcaacctttc	taaac					615

<210> 715
 <211> 769
 <212> DNA
 <213> Homo sapiens

<400> 715						
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gacgcagttc	ttgcttttag	gaagagggaa	aattttgcatg	tataaatgca	taaaacagct	240
acaggtaaga	aaaacagatg	tgataaccac	aaaacagatt	aattatgaag	aaattaattg	300
tcttaatcat	attatgctta	caactaagtt	ttggtaaatac	cattttaaata	tttgggtattg	360
tatatcagta	tgcatthaatt	cattaattca	ttccattata	tttattgaga	ctctaccaca	420
tttcagacat	gaatatatag	gcatgaataa	aacaaaaatg	gttgcttgaa	gacatggaat	480

caacctaaat	gcccacgat	gacagactga	ataaagaaaa	tgcagtacat	atacaccatg	540
gaacactatg	cagccgtaaa	aaagaatgag	atcatgtctt	ttgtggaaac	atggatgaag	600
ctagaggcta	ttatccttac	cagacgaatg	ccggaacaga	aaaccaaata	ccacatgttc	660
taacttataa	atgggagcta	aatgaagaga	actcatgaac	gccgagaagg	caataacaaa	720
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<210> 716
 <211> 743
 <212> DNA
 <213> Homo sapiens

<400> 716						
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ggccaatcac	tttgatatt	agatttttaa	gattgatttt	ggaatttctc	atccattagc	180
aggttttcac	ctttctcctt	aaactcatag	tttctcttga	aatcatacag	catatttgta	240
gcaatctgac	agcataaata	tacacaacac	aaatggaacg	acttatgaag	gaattacttg	300
tgaaagctca	ttggagtaaa	atttctcttc	aaacaatact	ttaggtcata	tgactgagtc	360
tattaactat	ttttctgtta	taccctgcc	gaaaagaatt	ttaaaagtta	gtttatgttt	420
tgtgtaacca	tgttcttcag	aatgcaggta	tgtgagcatc	atggtttctg	ggtaattctg	480
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ttaccagca	ttttttaaca	ttgatcaata	aggcctataa	ccagatttag	gctagcaaca	660
ccagaggtct	gggggcaagg	gtggaaattg	actttacatt	cttagtagct	aatattccat	720
aagtgcctta	tatatatatt	gca				743

<210> 717
 <211> 630
 <212> DNA
 <213> Homo sapiens

<400> 717						
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actacaaagt	ttacctttta	ctctgtaatg	tggccttgta	tgtttcaata	caaaaataca	180
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cccgcgacgt	ggaggcgctg	atggagcgca	tgcagcagct	gcaggagagc	ctgctgcggg	480
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<210> 718
 <211> 432
 <212> DNA
 <213> Homo sapiens

<400> 718

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aactgagctt	tggataattt	ttcactacag	ctataaccat	gactgctttg	ctgtagcttt	180
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ttgttgattc	tgacacacag	aagagcatgg	tcaccatgga	actcgaagtg	gccgatgcgc	300
tggccctggg	cgtcctgggc	cgcggtgctg	ctgaagctgc	cccgcagggg	cttaccctgg	360
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cccgtcacga	aa					432

<210> 719
 <211> 878
 <212> DNA
 <213> Homo sapiens

<400> 719						
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cgcctcggcc	tcccaaagtg	ctgggattac	agtcgtgggc	caccgtgccc	agccagggac	240
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ctttcatcct	cccctactac	ctaactcctg	aaaaatacaa	gccccaaaac	atttcacac	660
cagtaattgt	ctttaaattg	ctccaataat	ttgcaaggac	catggggaaa	agagaaagat	720
taaaaagccc	tacgcccaga	gaaccagatt	gtataacaag	tcgaaaatca	agtttactaa	780
tcaccattca	tggccttgaa	cttttaataa	aaccttcatt	gcctggaata	aatccaattt	840
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<210> 720
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 720						
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cttcaataca	ccttccctct	cccccttcag	gacgcctcac	atccactgcc	ttgccaggga	240
aggcgtgcga	ctgactcagc	acatctctgc	cacctccatc	tgcagcccaa	gctgggtccgt	300
gttcttgacg	ggaagatacc	cgatctgac	agatgaagaa	cacagagtgt	ggagacatga	360
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<210> 721
 <211> 957
 <212> DNA
 <213> Homo sapiens

<400> 721

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tagacaaatt	aactccttac	ttgaaacatc	tagtctatct	agatgttttag	aagtgcccgga	420
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cactttgggt	tgcacttcct	aggaaaactt	gccttttggt	aagacttttg	ccaggaattc	840
ctctgacctt	tcttattatt	accgcgccc	gccggttcac	ctggatgaag	acaacgatgt	900
cggctgtggt	caccttgggg	gcccacttgg	ccccttgtca	tactccttga	ttgagcc	957

<210> 722

<211> 925

<212> DNA

<213> Homo sapiens

<400> 722

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cctcctctct	ggccatctcc	ctgggtgttg	ccgtcatccc	cttctgcgcg	gacgtgaagg	360
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<210> 723

<211> 833

<212> DNA

<213> Homo sapiens

<400> 723

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tgtggctgag	tggcctgagt	gaggagcaga	aaggggaggg	gaggtggaaa	tgtggggggc	180
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aattttaacct	ccaatttgat	acaagcttgg	aacatggcgt	cctctttttt	cagacttttg	780
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<210> 724
 <211> 575
 <212> DNA
 <213> Homo sapiens

<400> 724						
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<210> 725
 <211> 867
 <212> DNA
 <213> Homo sapiens

<400> 725						
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<210> 726
 <211> 861

<212> DNA

<213> Homo sapiens

<400> 726

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gccgcggtag	gtgggcgggg	aaaggcgggt	gcagtcgccc	gccagaccgg	cagactcggg	300
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gcaccttggg	atgtgctgat	cctctgtcct	gacttgatct	tgcactcagg	aaagatcttc	420
aagaattacc	taattttggc	ctggcgcggt	ggctctcgcc	tgtaatccca	ccactttggg	480
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<210> 727

<211> 642

<212> DNA

<213> Homo sapiens

<400> 727

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tgacacagaa	aaattattct	gggaactggg	gtgtgctgaa	agcaaggcag	tacacctaca	420
cacctaggg	ctgtcgcatg	tcaacaccgg	ccagggtctc	cagacccgcg	cggcgcgaaa	480
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tgacgtgggt	taagcttttc	cttaagggtg	ctgattgggt	actggcatga	acttgactct	600
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<210> 728

<211> 872

<212> DNA

<213> Homo sapiens

<400> 728

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<210> 729

<211> 2563

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(2563)

<223> n = a,t,c or g

<400> 729

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<210> 730

<211> 988

<212> DNA

<213> Homo sapiens

<400> 730

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<210> 731

<211> 848

<212> DNA

<213> Homo sapiens

<400> 731

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 <211> 454
 <212> DNA
 <213> Homo sapiens

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<210> 733
 <211> 897
 <212> DNA
 <213> Homo sapiens

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<210> 734
 <211> 834
 <212> DNA
 <213> Homo sapiens

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<210> 735
 <211> 724
 <212> DNA
 <213> Homo sapiens

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<210> 736
 <211> 355
 <212> DNA
 <213> Homo sapiens

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<210> 737
 <211> 228
 <212> DNA
 <213> Homo sapiens

<400> 737						
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228

<210> 738
<211> 708
<212> DNA
<213> Homo sapiens

<400> 738

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<210> 739
<211> 1798
<212> DNA
<213> Homo sapiens

<400> 739

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<210> 740
 <211> 393
 <212> DNA
 <213> Homo sapiens

<400> 740						
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<210> 741
 <211> 360
 <212> DNA
 <213> Homo sapiens

<400> 741						
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acagagccta	taaaagctgt	cggctccttaa	ggctgcccag	cgccttgcca	aaatggagct	120
tgtagaagg	ctcatgccat	tgacctctt	aattctctcc	tgtttggcgg	agctgacaat	180
ggcggaggct	gaaggcaatg	caagctgcac	agtcagtcta	gggggtgcca	atatggcaga	240
gacccacaaa	gccatgatcc	tgcaactcaa	tccagtgag	aactgcacct	ggacaataga	300
aagaccagaa	aacaaaagca	tcagaattat	cttttgctat	gtccaacttg	gttccgaaag	360

<210> 742
 <211> 908
 <212> DNA
 <213> Homo sapiens

<400> 742						
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accactgcgg	atctcggaag	gaagaaatga	tgtaaatcac	tcatacaaac	cttaagggtca	120
aagggtgagaa	ggaagggtcag	gaagaacatg	gcctggccaa	atgtttttca	aagaggggtct	180
ctgctgtccc	agttcagcca	tcatacatgtt	gtagtgttcc	tgctcacttt	cttcagttat	240
tcgttgctcc	atgcttcacg	aaaaacattt	agcaatgtca	aagtcagtat	ctctgagcag	300
tggaccccaa	gtgcttttaa	cacgtcagtt	gagctgcctc	tggagatctg	gagcagcaac	360
catttggtcc	ccagtgcaga	gaaagcgact	cttttctctg	gcacactgga	taccattttc	420
ctcttctcct	atgctgtggg	cctattcacc	agtggcatcg	ttggggatcg	gttgaatttg	480
cgatgggttc	tgtcttttgg	catgtgctct	tctgcattag	tgggtgttgt	ctttggtgog	540
ctcacagaat	ggctgcgttt	ttacaacaaa	tggctgtact	gctgcctgtg	gattgtgaac	600
ggcctgctgc	agtccactgg	ttggccctgt	gtgggttgctg	ttatgggcaa	ctgggtttggg	660
aaagccggac	gaggagtgtg	ttttggtctc	tggagtgcct	gtgcttcggt	gggcaacatt	720

ttgggagcgt	gcctagcttc	ttctgttctt	cagtatgggt	atgagtatgc	ctttctggtg	780
acggcgtctg	tgcagtttgc	tggtgggac	gttatcttct	ttggactcct	ggtgtcacca	840
gaagaaattg	gtctctcggg	tattgaggca	gaagaaaact	ttgaagaaga	ctcacacagg	900
ccattaat						908

<210> 743
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 743						
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cagaacctga	agtcacccag	actcccagcc	atcaggtcac	acagatggga	caggaagtga	120
tcttgcgctg	tgtcccccac	tctaatact	tataacttcta	ttggtacaga	caaactcttg	180
ggcagaaagt	cgagtttctg	gtttcctttt	ataataatga	aatctcagag	aagtctgaaa	240
tattcgatga	tcaattctca	gttgaaaggc	ctgatggatc	aaatttctct	ctgaagatcc	300
ggtccacaaa	gctggaggac	tcagccatgt	acttctgtgc	cagcagtga	agggggtctg	360
gggccaacgt	cctgacttct	ggggccggca	gcaggctgac	cgtgctggag	gacctgaaaa	420
acgtgttccc	accc					434

<210> 744
 <211> 786
 <212> DNA
 <213> Homo sapiens

<400> 744						
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gggtcccttg	tcagccccgc	tccctagagc	aggagatctt	gagtgggaga	acattcttgt	120
tgtagccaca	gctgaggccc	tggaccagct	ctctccacac	cgcagtctcc	gagttgggac	180
tctaaggagt	ctaggaattt	tcattcaaac	ttggccttac	aggtcactca	tcagaaaaat	240
acttttttca	aggtcaacca	atagaacata	ctttattcaa	cagtttggtta	gtttgctttt	300
taaatattta	gccacatggt	atgtaggctt	ccatgtacac	tcttgccctg	gcccctgaaa	360
cataagcagg	gggctcttct	gtacatttgc	ccagcttccc	tgccagcctt	taaccccagg	420
aacctctcag	tctacctcct	cttttctgcc	tctgaatccc	tacctttaaa	gtcagaacag	480
gccaggcccg	gtggctcacg	cctgtaatcc	cagcactttg	ggaggctgag	gtgggtggat	540
cacttgacat	cagtagttca	agaccagcct	ggccaacatg	gtgaaacccc	atccttacta	600
aaaatacaaa	aattagccag	gtgtgggtggc	gggcacctgt	aatcccagct	actcaggagg	660
ctgaggcagg	agaatcactt	gaaccagga	ggcagagttt	gcagtacgcc	aagatcacgc	720
cactgtactc	cagcctggat	gacacagcga	gactccgtct	caaaataaat	acaaaaaaa	780
aaaagg						786

<210> 745
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 745						
gcaagatggt	gttgcagacc	cacgccttca	tttctctgct	gctctggatc	tctggtgcct	60
gcggggacat	cgtgatgacc	cactctccag	actccctggc	tgtgtctctg	ggcgagacgg	120
ccaccatcga	ctgcaggtec	agccagagtg	tcctctacca	cgccaacaat	aaaaactact	180

taacttggt	ccagcagaga	ccacgacagt	ctcctaaagt	gctcattttc	tgggcatcta	240
cccggaac	cggtgtgcct	gaccgattca	ctggcagcgg	gtctgggaca	gattattcgc	300
tcaccataag	cagcctgcag	gctgaagatg	tggccactta	ttactgtcaa	caatattatg	360
attctccgat	caccttccg					379

<210> 746
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 746						
cccgtagacg	tcttacctgc	ctacgccaag	cttggcacga	ggggtctctg	cagtgagtgg	60
ggagcctaca	taaaagagag	taaagagggg	caaaaaccca	gatcagaatg	caggcgacgt	120
ccaaccttct	caacctcctg	ctgctgtctt	tgtttgccgg	attaaatcct	tccaagactc	180
acattaatcc	taaagaaggg	tggcaggtgt	acagctcagc	tcaggatcct	gatgggcggg	240
gcatttgcac	agttgttgct	ccagaacaaa	acctgtgttc	ccgggatgcc	aaaagcaggc	300
aacttcgcca	actactggaa	aaggttcaga	acatgtccca	gtctattgaa	gtcttaaaact	360
tgagaactca	gagagatttc	caatatgttt	taaaaatgga	aaccctaatg	aaagggtctga	420
aggcaaaatt	tcggcagatt					440

<210> 747
 <211> 942
 <212> DNA
 <213> Homo sapiens

<400> 747						
tttttttttt	ttgttctaag	ccatagaaga	atattttattg	acatggaaaa	tgttaacaat	60
atatttctat	atgaaatatg	taggctacaa	aacagtatat	acagtttaat	accattttta	120
tggaaagaaa	aataaccata	tatacaaaat	catgcataag	aaaaaaataa	tataaggatg	180
tacataccaa	atattaataa	taatggctat	ctctggatag	tggaaatcaga	gggattatgt	240
aattttcctg	ataaattttc	ctgtcctcca	aacagcatcc	gcttcatact	attatttctt	300
ggttgttaatt	agtttgatat	aattctcttc	agaaaggctc	tgtttcacta	tatatacctc	360
aaagcatact	tttgatgcag	cttctgcaat	tcccatctaa	aaagtagata	acacttgctc	420
ttatattctg	gcatatgaag	actatttgta	attaacacac	tataaaatat	gtcaaagcag	480
gccaggcatg	gtggctcaca	cctgtaattc	caaaaccttg	gcaggaagat	cgattgaggc	540
caggagctca	agacgagcct	gggcaacata	gaaagaccct	atctttacaa	aaaaaacttt	600
aaaaattagc	caggtgtaat	agcacatgcc	tgtctgtaat	cccagctact	tggcaggctg	660
gaaggtaag	gctgcagtga	gccatgatca	tgccactgca	ctccagccta	ggtgacagag	720
caagaactca	tctctaaaaa	aaaattttta	aataaagcaa	aatatgccac	agcatagatc	780
tgattgtaga	aaattattat	atggagaact	gaaaaatctc	ctaatacaaga	caaaaatttt	840
aaatagagga	aaaaaatact	atctatcatt	agttcaagtt	tccattaaga	gtagagtgtg	900
aagtagctcc	aagttcagag	ctggagaatt	ttgcattctc	cc		942

<210> 748
 <211> 1050
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1050)

<223> n = a,t,c or g

<400> 748

tgcaagaatt	ggcaggcaaa	tggggatgtg	tgtgaacggt	gtgactatga	acatgggtga	60
tcgattacgg	acatgcaaga	tggaaaattg	gttgtggcat	ccagataagg	gaaaacaagt	120
aggacaccag	attgtataca	ctgtgatcaa	aaccatgtga	aaaacacatg	catgaagagg	180
actgggaaga	aatacacaa	aagtgggtgc	attaggggtga	gaaggagtat	tcatgttttt	240
ctcatccgtc	tttttcaaac	cttttgtaat	gggtgggttt	attaatttta	taatggaaaa	300
tgttaattta	aaagcaagtt	atttacagtt	tagtaagctc	atggcaggga	aaggctgggc	360
tctgtttatt	gctcttactt	tttcccaacg	cctactccca	tgcttggcaa	ttatagagat	420
aataaatgtg	ggtgtggaat	gagtgcacc	tgggaaacct	ctcagaggac	tttgaccag	480
gaacatattt	gcacagggtt	tccctcagct	ggagaagggt	tctctgggag	agcaccagcc	540
aggtgtgtgt	catgggatat	atttacaggg	tgggtgagctc	tcctgggtcca	acctaaaagg	600
tcccagcaag	gtgtaggggc	ccttctggcc	atltgacatc	accagggcag	ttagtgtctga	660
tacaaaccac	agagaatgaa	caaactccaa	ctcaaacggg	aatggatttt	atgtcattct	720
gggactttca	aacttgataa	tagaccaagc	atggtggctc	acacatgtaa	tcctagcact	780
ttgggaagcc	aagggtgggag	gatcgcttgc	ggccaggaga	ttgagaccag	cctgggaaag	840
gtagcaagac	ccagtctcta	caaaaaaatt	ttttgttctg	ttttgttttt	gagacagagt	900
ctcaactctg	tcgtctaggc	tggagtgcag	tggtttgatc	ttgggttnatt	agtttctttt	960
tttgtgggtg	ttgtgtttta	gtttttgttt	tgggttaaatt	taatctgggtc	ttgggaatcc	1020
ttctttttat	cgttgggtgga	gatttaaccg				1050

<210> 749

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(390)

<223> n = a,t,c or g

<400> 749

tcgoggaggt	gcctcaacca	tggcatggat	ccctctcttt	ctggcgctcc	ttgcttactg	60
cacagaatcc	gtggcctcat	atgaactgtt	tcagccacct	tcagtgtccg	tgtccccagg	120
acagacagcc	actttcacct	gctctggaga	tgacttgggg	aacaagtata	tttgttggtg	180
tctgcagaag	ccaggccagc	cccccggtgt	actcatgtat	caagataaca	agcggccctc	240
agggatccct	gagcgattct	ctggctccaa	ttctgggagc	acagccaccc	tgaccatcag	300
cgggaccag	gctacggatg	aggctctata	ttctgttcag	gcgtgggaca	cgaatggagc	360
tgtgttcgga	ggaggcaccc	agttgaccgn				390

<210> 750

<211> 441

<212> DNA

<213> Homo sapiens

<400> 750

gattcaggtg	gttttaggtga	tcaaattgtt	ttagaagagc	ttggtgggtcc	atgcctatat	60
cttgaaggga	atccaactta	gctttaatta	acattcttaa	ccttcttacc	tctctggatc	120
tcagttgtct	catctgtaaa	aaggagataa	aaattattta	cctgcctgaa	catgaggtgg	180
aggaccatcc	tgctacagta	ttgctttctc	ttgattacat	gtttacttac	tgctcttgaa	240
gctgtgccta	ttgacataga	caagacaaaa	gtacaaaata	ttcacctgt	ggaaagtgcg	300

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aagatagaac caccagatac tggactttat tatgatgaaa tcgtttttaga agagcttggg 360
ggtccatgcc tatatcttga agggaaatcca acttagcttt aattaacatt cttaaccttc 420
cgcacgcgtg ggtcgacccg g 441

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<210> 751
<211> 449
<212> DNA
<213> Homo sapiens

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<400> 751
gtggggaatt ccccagcaat cagactcaac agacggagca actgccatcc gaggcctcctg 60
aaccagggcc attcaccagg agcatgcggc tccctgatgt ccagctctgg ctggtgctgc 120
tgtgggcact ggtgcgagca caggggacag ggtctgtgtg tccctcctgt gggggctcca 180
aactggcacc ccaagcagaa cgagctctgg tgctggagct agccaagcag caaatcctgg 240
atgggttgca cctgaccagt cgtcccagaa taactcatcc tccaccccag gcagcgctga 300
ccagagccct ccggagacta cagccaggga gtgtggctcc agggaaatggg gaggaggtca 360
tcagctttgc tactgtcaca gactccactt cagcctacag ctccctgctc acttttcacc 420
tgtccactcc tcggtccac cacctgtac 449

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```

<210> 752
<211> 524
<212> DNA
<213> Homo sapiens

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<400> 752
tttcgtggcg aggcggcggt ggtggctgag tccgtgggtg cagaggcgaa ggcgacagct 60
ctaggggttg gcaccggccc cgagaggagg atgcgggtcc ggatagggtc gacgctgctg 120
ctgtgtgcgg tgctgctgag cttggcctcg gcgtcctcgg atgaagaagg cagccaggat 180
gaatccttag attccaagac tactttgaca tcagatgagt cagtaaagga ccatactact 240
gcaggcagag tagttgctgg tcaaatatct cttgatccag aagaatctga attagaatcc 300
tctattcaag aagaggaaga cagcctcaag agccaagagg gggaaagtgt cacagaagat 360
atcagctttc tagagtctcc aaatccagaa aacaaggact atgaagagcc aaagaaagta 420
cggaaccag gtagtctgga ctttttcctt gctttttgat ttatttaggg gacaactgaa 480
aattttaagc taatgaataa agaggctgaa gaagaaaaaa aaaa 524

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<210> 753
<211> 474
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(474)
<223> n = a,t,c or g

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<400> 753
nttganncac tgagacatta gtccangcgg nggaattcga tggcgctggc ggctttgatg 60
atgcacctcg gcagcctcgg cctccacacc tggcaggccc aggcgtgtcc caccatcctg 120
cccctggggc tggctccaga cacctttgac gatacctatg tgggttgtgc agaggagatg 180
gaggagaagg cagccccctt gctaaaggag gaaatggccc accatgccct gctgcgggaa 240

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tccctgggagg	cagcccagga	gacctgggag	gacaagcgtc	gagggcttac	cttgccccct	300
ggcttcaaag	cccagaatgg	aatagccatt	atgggtctaca	ccaactcatc	gaacaccttg	360
tactgggagt	tgaatcangc	cgtgcggacg	ggcggaggct	cccgaggagct	ctacatgagg	420
cactttccct	tcaaggccct	gcattttctac	ctgatccggg	ccctgcagct	gctg	474

<210> 754
 <211> 1222
 <212> DNA
 <213> Homo sapiens

<400> 754

cagatccctca	tctccctggg	tagtgaggct	catcacagac	aagcaaccaa	ctgctgggct	60
gccggtgccc	cccatgttgg	aacctgagtt	ggagattatc	tcctaagcag	atacctgctt	120
ccaaactggg	gatgtagggc	ttggaaacta	aaaaatgcc	ggtctgaggg	agaggaaaga	180
acaagtccag	caatacacag	agctctgtgt	attcagaggg	aagttggcag	ggttgtgttc	240
gggcagagaa	actccgagt	gtacaaagg	gacgtgccc	gagtgagaa	atcatgctaa	300
ttgtctgcac	tagagctgga	gaacgccacc	caaatgaag	agagaaagg	gagccctgtc	360
cagagccctc	agggccctgc	gccttgctcc	ttttgtctac	cttcttctga	tccagacaga	420
ccccctggag	ggggtgaaca	tcaccagccc	cgtgcgcctg	atccatggca	ccgtggggaa	480
gtcggctctg	ctttctgtgc	agtacagcag	taccagcagc	gacaggcctg	tagtgaagtg	540
gcagctgaag	cgggacaagc	cagtgaccgt	ggtgcagtcc	attggcacag	aggtcacogg	600
caccctgcgg	cctgactatc	gggaccgtat	ccgactcttt	gaaaatggct	ccctgcttct	660
cagcgacctg	cagctggccg	atgagggcac	ctatgaggtc	gagatctcca	tcaccgaaga	720
caccttcaact	ggggagaaga	ccatcaacct	tactgtagat	gtgcccattt	cgaggccaca	780
ggtgttgggg	gcttcaacca	ctgtgctgga	gctcagcgag	gccttcacct	tgaactgctc	840
acatgagaat	ggcaccaagc	ccagctacac	ctggctgaag	gatggcaagc	ccctcctcaa	900
tgactcgaga	atgctcctgt	cccccgacca	aaagggtgctc	accatcaccc	gcgtgctcat	960
ggaggatgac	gacctgtaca	gctgcgtggt	ggaaaacccc	atcaaccagg	gccggaccct	1020
gccttgtaag	atcacogaat	acagaaaaag	ctccctttca	tcaatttggc	tccaggaggc	1080
attttccctc	ttgggacctt	ggtgaagacc	tggccaacaa	gggaaaaccc	cgtctttatt	1140
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aggttttgaa	cagtaaatct	cc				1222

<210> 755
 <211> 667
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(667)
 <223> n = a,t,c or g

<400> 755

tttcgtgcac	ggtgtgcacg	ctggactgga	ccccccatgc	aaccccgcgc	cctgcgcctt	60
aaccaggact	gctccgcgcg	cccctgagcc	tcgggctccg	gcccgacact	gcagcctccc	120
agggtggctg	gaagaactct	ccaacaataa	atacatttga	taagaaagat	ggctttaaaa	180
gtgctactag	aacaagagaa	aacgtttttc	actcttttag	tattactagg	ctatttgtca	240
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aactgtgttc	cctgcaacca	gtgtgggcca	ggcatggagt	tgtctaagga	atgtggcttc	360
ggctatgggg	aggatgcaca	gtgtgtgacg	tgccggctgc	acaggttcaa	ggaggactgg	420
ggcttccaga	aatgcaagcc	ctgtctggac	tgccgagtg	tgaaccgctt	tcagaaggca	480
aattgttcag	ccaccagtga	tgccatctgc	ggggactgct	tgccaggatt	ttataggaag	540

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acgaaacttg tgggttttca agacatggag tgggtggtngg cccttggttg gagaaccccc 600
ttccttccct ccctttacgg aaaccgggca cttggttgcc agccaagggt ccaaaccctc 660
ggggaaa 667

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<210> 756
<211> 411
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(411)
<223> n = a,t,c or g

```

```

<400> 756
atcctcctca gnggattttt ccttccttag taaagctgng tccatctgac actcagcctg 60
acccttcttc ctctcttggg aaggcgcaag tactctcccc gacctcgta aaactcaccg 120
aaatccctga agaaacttaa atgtcctgct cctgtccgcc ctgcttcttc accctcttcc 180
tccactctat ttgccaagac atctcctggg ttcaccccca aactcccacc ttagattctc 240
tcttaaaactg gatagatgat ctcatctttt acggcactct gtataacttc tcccagaag 300
agacgcctct gtttaccttc ctactcactc tatatctatc cctcctgctc ctttggctac 360
ctggcatggc cgcactccca cttgcagtaa tgcctaatta cctctacaaa a 411

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<210> 757
<211> 388
<212> DNA
<213> Homo sapiens

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<400> 757
tttcagccaa acttcggggcg gctgaggcg gggccgagga gcggcggact ccgggcgcg 60
ggagtcgagg catttgcgcc tgggcttcgg agcgtagcgc cagggcctga gcctttgaag 120
caggaggagg ggaggagaga gtggggctct tctatcggaa cccctcccc atgtggatcc 180
gccccaaagc gaggtcgcg aggagggtat cgaaaatatg cccgccttgc gccccgcttt 240
gctgtgggcg ctgctgagcc tatggctgtg ctgcgcgacc cccgcgcctg cattgcaatg 300
tctgaaggc tatgaaccct cccactaga ccgaaagtgc gctccctacc ccaatgtcag 360
acgatcctgc ccatgcccag aaggtttt 388

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<210> 758
<211> 843
<212> DNA
<213> Homo sapiens

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<400> 758
agcctgacca gttgttccca ggatccattg ttctccctcc ataaacaata aacagcactc 60
aggggagggg gggcccaaca ccggggtggg tgggcgcccc gctgccgtcc tctgtgccac 120
atcagtaaac agcaacacaa caatcaactg ggcctttttg atgaagacaa aaccatagag 180
gaaaaccatt agaagaggta ataaaggccc ttcttataca gttaatagag agcctcctgg 240
atggaacaag accagctgtt gctactgaaa atttacttct gttttcaagt tcaaataagag 300
actaaaacat tatcttcacg ggaattgatt ttacgtcttc caaacacata tgccacctta 360
attgtgatatt gtgtgatagt tcagctgctg aaagctttcg tttatctcta cctgggttaa 420

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caactttaaa	taataacaag	tcaatatatc	tgtttattga	ccagggttct	tctcatcccc	480
agagcacact	gttgaagaag	aaggtactta	accctttgtt	tccctagccc	tgccacatat	540
ctcatttttc	acattctcaa	tggggagata	taattgttta	aaaaatggaa	tgaagccggg	600
tggcatggct	tacacttgta	attccagcta	tttgggaggc	taaggcagga	ggattgctcg	660
gggcccggag	ttcaagacca	gtctaggcaa	catagtgaga	ccccatctct	acaaaaata	720
aaaactaaca	ccccgggttc	ctgactactc	aaaagggtga	ggcagaggat	cacttgagcc	780
cagaagcaga	agctgggtga	gctagactgg	gcacgcactc	ctcatggtgc	agaagaaacc	840
tgc						843

<210> 759

<211> 647

<212> DNA

<213> Homo sapiens

<400> 759

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<210> 760

<211> 796

<212> DNA

<213> Homo sapiens

<400> 760

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<210> 761

<211> 721

<212> DNA

<213> Homo sapiens

<400> 761

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<210> 762

<211> 716

<212> DNA

<213> Homo sapiens

<400> 762

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<211> 642

<212> DNA

<213> Homo sapiens

<400> 763

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<212> DNA
<213> Homo sapiens

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<211> 555
<212> DNA
<213> Homo sapiens

<400> 765

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<212> DNA

<213> Homo sapiens

<400> 766

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